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ALBERTA GEOLOGICAL SURVEY - COAL GEOLOGY

COAL COMPILATION PROJECT - CUTBANK RIVER

NTS 83L/10

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Coal Compilation Project
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Coal Geology Section
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ALBERTA RESEARCH COUNCIL

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Foreword

The prime objective of the three year pilot Coal Compilation Project (CCP), initiated in the 1989/90 fiscal year, is to provide coal resource maps to stimulate and support industry exploration programs, and assist government in matters of resource management. An essential feature of the program is the use of cost effective Geoscience Information System (GSIS) technology that allows the database and various thematic maps to be analyzed, updated, and displayed with complete flexibility at any scale.

Each map set is intended to be a stand alone, unique product contributing to an overall synthesis of information. Maps generated can be at a regional or reconnaissance level. Collection of new data has been limited. Data compiled and evaluated has been based on the following principal sources; Alberta Research Council/Alberta Geological Survey (ARC/AGS); Energy Resources Conservation Board (ERCB); Geological Survey of Canada (GSC/ISPG); and information from the coal industry sector. Industry has cooperated and supported the CCP by providing unpublished corporate reports to the AGS. The availability of these reports has been an essential component toward the success of this project.

The CCP may encompass up to eighteen 1: 50 000 scale mapsheets, to be completed over the three year period. Nine mapsheets have been completed to date, four during the 1989/90 fiscal year and an additional five during the past 1990/91 fiscal year.

Custom maps and database searches can be obtained by contacting the Coal Geology Section, Alberta Geological Survey, Alberta Research Council. Raw coal exploration data[1] that are in the 'public' domain can, for a nominal fee, be viewed in microfiche form at the Records Center of the Energy Resources Conservation Board in Calgary, Alberta. Arrangements can also be made to acquire copies of all/selected data.

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[1] Specifically, the geophysical logs (and other associated data) of coal exploration drillholes and, as available, analytical data relating to coal quality.

Acknowledgments

The project was funded by the Alberta Department of Energy and the Alberta Research Council. The Alberta Geological Survey Coal Technical Advisory Sub-Committee provided valuable guidance for the project. Mike Dawson of the Geological Survey of Canada (GSC/ISPG) provided significant Upper Cretaceous/Tertiary coal subcrop information. Esso Resources Canada Limited and Union Oil Company of Canada are thanked for making unpublished reports/data available to the Alberta Geological Survey. D. Goulet assisted with map digitization and data entry.

Introduction

Objective

The stated objective of the pilot Coal Compilation Project (CCP), initiated in the 1989/90 fiscal year, was to provide coal resource maps on a 1: 50 000 scale, which would

- o stimulate and support industry exploration programs, and
- o assist government in matters of resource management (eg, Integrated Resource Plans) in areas that may have good coal development potential, but have a lack of data or understanding.

Each map set was intended to be a stand alone, unique product contributing to an overall synthesis of information. Maps generated would be at a regional or reconnaissance level. Collection of new data and/or actual time in the field has been limited. Data compilation and evaluation has been based on the following principal sources

- o Alberta Research Council/Alberta Geological Survey (ARC/AGS)
- o Energy Resources Conservation Board (ERCB)
- o Geological Survey of Canada (GSC/ISPG)
- o cooperation from the coal industry sector.

The CCP may encompass up to eighteen 1: 50 000 scale mapsheets, to be completed over a three year pilot period. Nine mapsheets have been completed to date, four during the 1989/90 fiscal year and an additional five during the past 1990/91 fiscal year. At the end of the three year period, the CCP should be evaluated to determine if the project should be expanded and/or continued. As each map represents a complete product, the Coal Technical Advisory Subcommittee would be able to monitor the progress of the research and react to changing priorities without being committed to spending funds more than one year in advance.

Four contiguous NTS mapsheets[2], located within the Hinton - Grande Cache corridor, were completed during the first fiscal year (1989/90) of the CCP. During the past fiscal year (1990/91), an additional five, but still contiguous, NTS mapsheets were completed in the Grande Cache - Musreau Lake area (see Figure 1). From southeast to northwest (to north), the mapsheets are identified as 83E/16 (Donald Flats), 83L/2 (Bolton Creek), 83L/3 (Copton Creek), 83L/7 (Prairie Creek) and **83L/10 (Cutbank River)**.

For each mapsheet, a product has been generated that includes

- o a coal resource map (scale 1: 50 000)
- o 'snapshot' maps (scale 1: 250 000)
- o supplementary text.

Methodology and Discussion of GIS

Geographic Information Systems (GIS) which encompass spacial data storage, display and analysis by computer have been employed in the municipal, environmental and forestry sectors for many years. The term GIS has been applied to mainly surface or geographic studies and has, as a rule, not been extended to the 3rd dimension (depth) or temporal aspects (time). A Geoscience Information System (GSIS) goes beyond what is generally thought of as traditional GIS and is focused strongly on subsurface information. An essential feature of the CCP is the use of cost effective GSIS technology that allows the database and various thematic maps to be analyzed, updated, and displayed with complete flexibility at any scale. In addition custom maps can be produced from the various data and graphic elements that have been entered into the information system.

Much of the present methodology, software and hardware used in this study is described in detail in the Alberta Research Council, Open File Report 1989-03A (Richardson et al, 1989). In general both digital and hard copy data or graphic elements are entered into a GIS software product (pcARC/INFO) where they can be analyzed, displayed or plotted to hardcopy.

During the initial year of the CCP, substantial time was spent in

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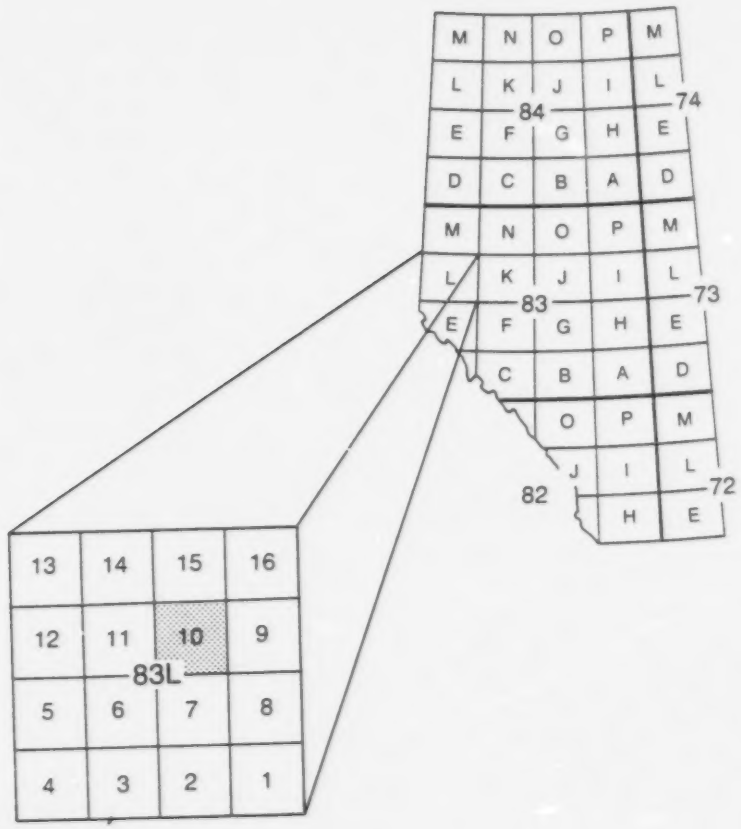
[2]From southeast to northwest, the mapsheets are identified as 83F/5 (Entrance), 83E/9 (Moberly Creek), 83E/15 (Pierre Greys Lakes) and 83E/14 (Grande Cache).

Figure 1. Coal Compilation Project - Cutbank River NTS 83L/10 : Location



- o developing the hardcopy, product template, and
- o replicating the above template into the electronic medium of GIS.

During the past year, much of the original design work was utilized where appropriate. There were numerous, additional design problems, not encountered in the initial year's work, which also had to be resolved. These 'new' design difficulties consumed significantly more time than was initially anticipated. As a net result, expectations of the number of CCP mapsheets generated during the fiscal year fell somewhat short of expectations.

The mapsheets completed to date have each provided their own unique design difficulties, a situation which appears to be more the norm rather than the exception. If, as expected, this pattern continues into the third year of the CCP, the number of mapsheets to be generated should be adjusted downward to reflect, and acknowledge, time spent in resolving these unique design problems.

Location and Access

The study area of mapsheet NTS 83L/10 (Cutbank River) is located in west-central Alberta between Latitudes 54^{o} 30' and 54^{o} 45' North, and Longitudes 118^{o} 30' and 119^{o} 00' West (between Townships 63 and 66 inclusive, and Ranges 4 to 7 inclusive, West of the 6^{th} Meridian).

From the center of the mapsheet, the closest communities are

- o Grande Cache (83E/14), located some 130 kilometers to the southwest or
- o Grande Prairie (83M/2), located some 80 kilometers to the north.

Paved and improved access, to and within the area, is provided by Highway 40 and Secondary Highway 734. Numerous all-weather, gravelled wellsite and logging roads also exist. Additional secondary seasonal access is provided by a network of roads, trails and seismic lines.

The area is serviced by the Canadian National Railway and the Alberta Resources Railway; the rail line, located in the the extreme northeast corner of the mapsheet, parallels the Smoky River drainage. The rail line has the capacity to accommodate coal unit trains. The coal terminal at Ridley Island, located at Prince Rupert, B.C., is located approximately 1100 rail-kilometers

from Grande Prairie; the Neptune Terminals at Vancouver, B.C. are located approximately 1150 rail-kilometers from Grande Cache.

Geological Setting

Within the mapsheet 83L/10, near-surface coal measures are deposited within thick successions of sandstones, siltstones, shales and conglomerates. Known coal-bearing sequences are contained within the Upper Cretaceous/Tertiary Wapiti Group.

The coal-bearing Luscar Group, while not present in surface exposures, occurs at depth. Within the mapsheet, the Luscar Group is intersected, in the subsurface, in the 1900 to 2650 meter_deep range.

Stratigraphic nomenclature for the above strata is shown in Figure 2.

Stratigraphy of Coal-Bearing Units

Wapiti Group

The Wapiti Group consists of primarily nonmarine sandstones, conglomerates, shales and coals; the Group lies conformably above the marine Wapiabi Formation.

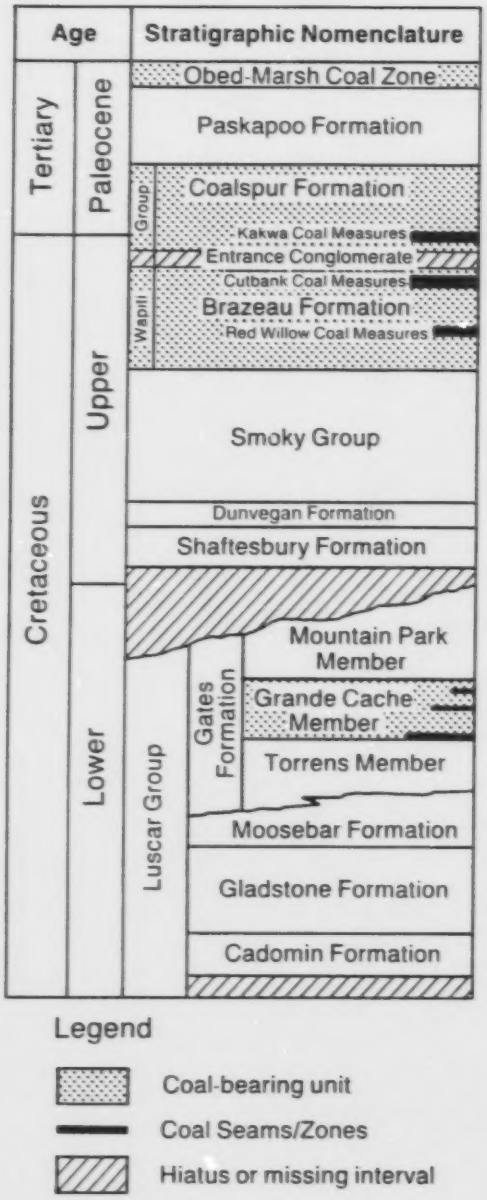
The strata of the Wapiti Group have been divided into four formations (McMechan and Dawson 1990)

- o Lower Brazeau
- o Upper Brazeau; contains the sequence informally defined as the Cutbank coal measure
- o Lower Coalspur
- o Upper Coalspur; contains the sequence informally defined as the Kakwa coal measure.

Upper Brazeau Formation

Coal occurrences within the Cutbank coal measure of the Upper Brazeau Formation have, within the mapsheet, been documented in outcrop, coal exploration drillholes, and from a limited number of oil and gas wells. Within the CCP mapsheet 83L/10, the Cutbank coal measure have an average thickness of 190+ meters. The (up to) six coal seams vary in both

Figure 2. Stratigraphic Nomenclature Adopted for the Coal Compilation Project (after Macdonald et al 1989; and Dawson et al 1989 & 1990)



thickness and continuity, and have an average aggregate thickness of 5.3 meters. Seam correlations are preliminary.

Upper Coalspur Formation

Only one coal outcrop has been noted in the Kakwa coal measure of the Coalspur Formation within the mapsheet. The outcrop contains a 1.5 meter-thick coal zone, of which 0.7 meters is coal.

Structure

The Wapiti Group strata are contained within a series of gentle folds that trend in a northwesterly strike direction.

The axis of the Alberta Syncline is contained within the mapsheet. The axis trends northwest/southeast from near the northwest corner to near the southeast corner of the mapsheet. Strata, on the southwest limb of the syncline, have shallow dips to the northeast while strata, on the northeast limb, have shallow dips in a southwesterly direction.

Environmental Setting

Integrated Resource Plans (IRP's)

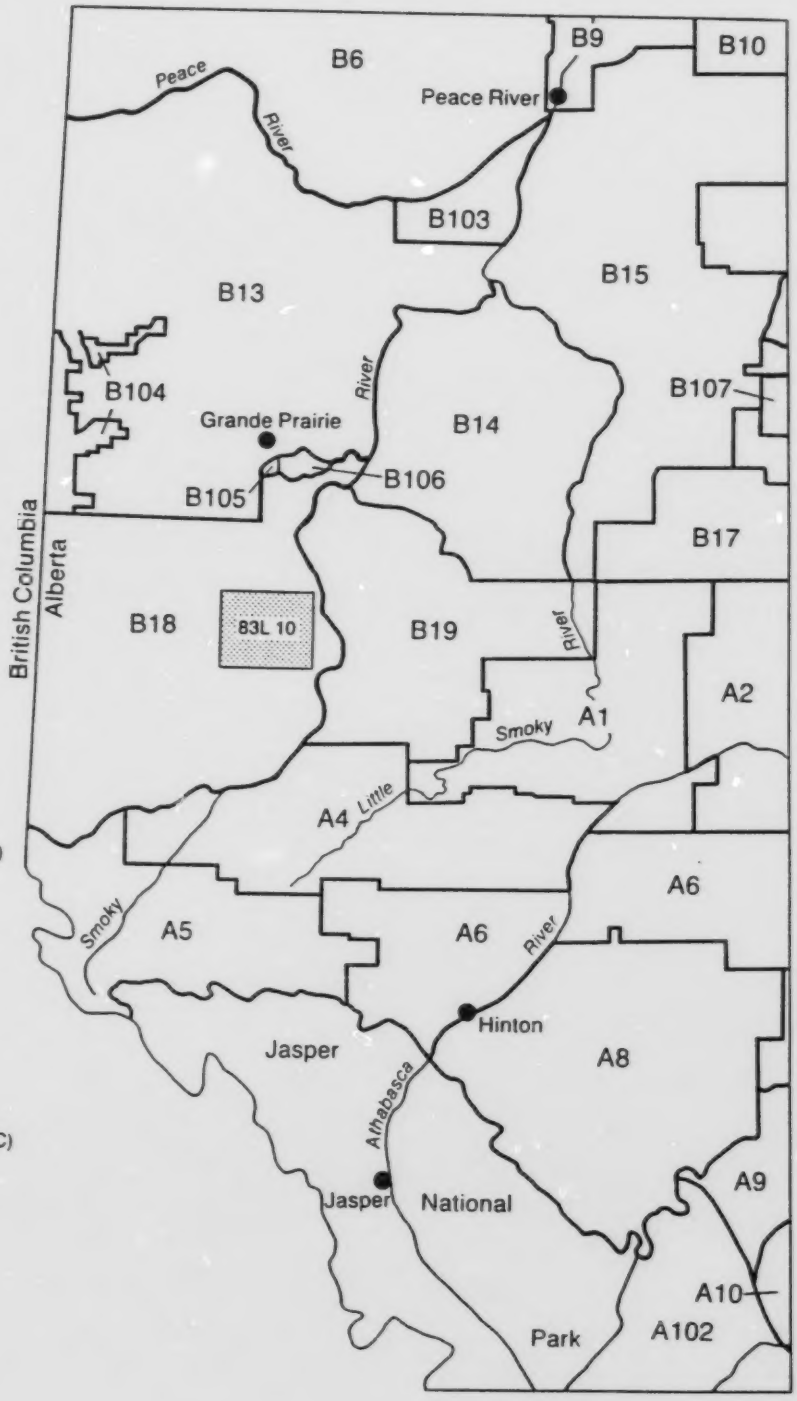
Within the mapsheet, there are no IRP's, either completed or in-progress.

All of the 83L/10 mapsheet is located within the 'proposed_for_the_future' Kakwa-Wapiti IRP.

See also Figure 3 for locations/outlines of IRP's in the surrounding vicinity. On Figure 3, a bracketed letter trails the name of the IRP; this letter identifies the status of the IRP as

- o (C); completed
- o (P); in-progress or
- o (F); future.

Figure 3. Locations/Outlines of IRP's in the Surrounding Vicinity (1989)



Sub-Regional Plans

Eastern Slopes Region

- A1 Fox Creek Knight (P)
- A2 Whitecourt Blue Ridge (F)
- A3 Swan Hills Ft. Assiniboine (F)
- A4 Berland (P)
- A5 Willmore Wilderness Park (F)
- A6 Yellowhead North (P)
- A7 Cold Creek (F)
- A8 Coal Branch (P)
- A9 Brazeau Pembina (C)
- A10 Rocky North Saskatchewan (C)

Peace River Region

- B6 Notikewin (F)
- B7 Keg River (C)
- B8 Buffalo Head Hills (F)
- B9 East Peace (P)
- B10 Red Earth (F)
- B11 Peerless Graham (F)
- B12 Wabasca (F)
- B13 Saddle Hills (F)
- B14 Sturgeon Lake Puskwaskau East (C)
- B15 Heart River (F)
- B16 Utikuma (F)
- B17 North Swan Hills (F)
- B18 Kakwa Wapiti (F)
- B19 Smoky Simonette (F)

Local Plans

Peace River Region

- B101 Upper Peace Valley (C)
- B102 Lower Peace Valley (P)
- B103 Smoky Peace Point (C)
- B104 Grande Prairie County West (P)
- B105 Wapiti Grande Prairie Sand Dunes (C)
- B106 Bear River Wapiti (C)
- B107 Frost Hills (C)

Resource Management

Coal Dispositions

The status of the rights_to_coal within an area can generally be categorized into one of the following

- o Crown coal lease
- o Crown coal lease under application
- o Areas with registered right of first refusal
- o Freehold coal rights
- o Coal withdrawn from disposition.

According to a Alberta Energy Coal Disposition Map which includes 83L/10 (1989-05-09 version), there is currently no coal_land_activity within the mapsheet.

Established Coal Resources and Reserves

Coal resources and/or reserves have been calculated by the ERCB (1989) for the whole of Alberta. The CCP mapsheet 83L/10 contains, in part, the

- o Musreau Lake Coal Field; part of the ERCB-designated 'Plains Region'; the Coal Field is divided into three separate deposits (North, Amundson and Kakwa Tower).

The segment of the Coal Field, contained within CCP mapsheet 83L/10, has been outlined on the the GIS plot.

Exploration History

Coal

Coal Exploration Drillholes

Some 31 coal exploration holes[3] have been drilled by 6 companies between 1966 and 1979. Based on data stored in the AGS Coal Database, 4 holes (13%) intersected coal; it follows that 27 holes (87%) did not intersect coal. Hole depths ranged from 27+ to 408 meters in depth.

Coal exploration drilling activities were carried out by a number of corporate entities. A summary follows

Company	Number of Holes Drilled
Alberta Research Council	22
Esso Resources Canada Limited	1
Gulf Canada Resources Limited	3
Hudbay Coal Company	1
Scurry Rainbow Oil Ltd.	1
Texaco Canada Resources Ltd.	3

Based on the April, 1989 version of the ERCB Coal Hole File, details of the coal exploration drillhole are given in Appendix 1 and includes information on:

- o SITID; the assigned Site Identification Number within the AGS Coal Database
- o CAT_ID; the assigned Catalogue Identification Number within the ERCB Coal Hole File (April, 1989 version)

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[3]Information, concerning coal exploration drillholes, is based on the AGS Coal Database, April, 1989 version of the ERCB Coal Hole File. It is planned, in the next fiscal year, to upgrade the AGS Coal Database with the April, 1991 version of the ERCB Coal Hole File.

o ORIG; the Original Identification Number of the Datapoint (ie, drillhole number)

o EDITED; within the ERCB Coal Hole File, the equivalent to ORIG has been limited to 6 spaces; this, in some cases, has not been sufficient to record the ORIGinal corporate assigned drillhole number; within the AGS Coal Database, ORIG has been allocated 11 spaces; a 'X' in the EDITED column identifies those drillholes whose ORIG's were truncated; drillholes listed in the ORIG column of the listing have been edited and now reflect the 'true' Original Identification Numbers

o NCinDH; a 'NC' in the column indicates that there were no coal intersections, for the drillhole, contained within the AGS Coal Database

o M; Meridian

o T; Township

o R; Range

o S; Section

o RSEC; Reference Section

o RCNR; Reference Corner

o METN; Meters north or south from the reference corner

o METE; meters east or west from the reference corner

o ELEV; Ground or surface elevation of the datapoint (drillhole)

o TD; Total depth of drillhole reported in meters

o CORPNUM; the assigned Corporation Number within the AGS Coal Database

o CPDT; completion date of the datapoint (drillhole); date coded as yymmdd

o COMPANY; identifies the company that generated the datapoint (drillhole).

Oil and Gas Wells

The CCP mapsheet 83L/10 contains, in part, one oil field (Kakwa Field) and four gas fields (the Bilbo, Gold Creek, Karr and the Newand Fields). Outlines of the fields, have been indicated on the GIS plot.

In establishing the above noted fields, 92 oil and gas wells have been drilled within the mapsheet area. Of the wells drilled,

- o 32 are abandoned
- o 23 are capped gaswells
- o 9 are pumping oil wells
- o 8 are flowing gas wells
- o 6 are suspended
- o 4 are flowing oil wells
- o 2 are suspended gas wells
- o 2 are abandoned oil wells
- o 2 were originally abandoned and have been re-entered
- o 2 are standing
- o 1 is a gas-test well
- o 1 well has it's status as 'unknown'.

See Appendix 3 for additional data. The Appendix is based on queries from the ERCB Oil and Gas Database (April, 1989 version).

Oil and gas well locations have been identified on the GIS plot. Drilling activity, for the mapsheet, has been further summarized in the following table

Field Name	Number of Oil/Gas Wells Drilled
Bilbo (Gas) Field	32
Gold Creek (Gas) Field	1
Kakwa (Oil) Field	9
Karr (Gas) Field	0
Newand (Gas) Field	17
Outside of the above noted Oil/Gas Fields	33

Coal Occurrences

Coal Exploration Drillholes

On both Appendix 1 and the map, coal exploration drillholes have been identified as either

- coal thicker than 0.5m intersected in the drillhole

or

- no coal thicker than 0.5m intersected in the drillhole.

Coal is defined as greater than 50% carbonaceous material by weight and more than 70% carbonaceous material by volume as estimated from geophysical logs. The exclusion of coal seams thinner than 0.5m is consistent with Hughes et al. (1988), who exclude seams thinner than 0.5m in resource determination.

Coal intersections, per coal exploration drillhole, have been included in Appendix 3. The listing includes

- SITID; the AGS Coal Database identification number
- CAT_ID; the ERCB catalogue identification number

- o ORIG; the original company-assigned drillhole number
- o M T R S ; Dominion Land Survey (DLS) information; ie, Meridian, Township, Range and Section
- o TOP DEPTH; depth to top of coal in meters
- o BOT DEPTH; depth to bottom of coal in meters
- o THICK; thickness of the coal seam in meters
- o SEAM; the ERCB_Designated Coal Seam Name/Number (if assigned/known); a '0' indicates that the seam has not been correlated
- o MIN; Mineral Matter content of the coal (often a best-estimate from geophysical log interpretation); a '0' indicates that the mineral matter of the coal was not available and/or not derived
- o REGOLITH; thickness, in meters, of the regolith
- o PIKNUM; the geological pick identification number as stored in the AGS Coal Database
- o REMARKS.

Appendix 4 provides additional information concerning past Alberta Research Council coal exploration drill programs in the Wapiti area. The drill programs, conducted primarily during 1966 and 1967, were executed, in part, within the CCP mapsheet 83L/10.

Coal Outcrops

Numerous coal outcrops and/or floats have been documented within the mapsheet 83L/10 by

- o ARC/AGS
- o Esso Canada Resources Limited.

Coal outcrop and/or float locations have been identified on the GIS plot. Coal zone outcrops of the Cutbank coal measure vary in thickness to 3.4 meters. The only recorded coal zone outcrop of the Kakwa coal measure is 1.5 meters thick.

Coal Quality Summary

Coal Rank

Within the mapsheet 83L/10, coals of the Cutbank coal measure have a rank of high volatile bituminous C.

There is no coal quality data for coals of the Kakwa coal measure; it is believed that the coals, if analyzed, would also have a rank of high volatile bituminous C.

Coal Exploration Drillholes

Within the mapsheet 83L/10, **NO** coal sample analysis have been generated from the coal exploration drillholes.

Coal Outcrops

A number of outcrops, within the mapsheet 83L/10, have been sampled by both Crown and private corporations

- o ARC/AGS, 1944; from 2 coal outcrops, samples were subjected to Proximate Analysis, Heating Value, Carbon, Hydrogen and Equilibrium Moisture determinations

- o ARC/AGS, 1969; from 1 coal outcrop, a sample was subjected to Proximate Analysis and Heating Value determination

- o ARC/AGS, 1990; from 1 coal outcrop, a sample was subjected to Ultimate Analysis and random reflectance determinations

- o Esso Canada Resources Limited, 1982 to 1985; from 8 coal outcrops, samples were analyzed for palynology; 4 of the coal samples were further subjected to petrographic analysis; an additional sample, from a non-coal outcrop, was analyzed for palynology.

Coal Resource Development Potential

A semiquantitative and subjective evaluation of the potential of coal development in the map area is based on limited data. It is based on mainly geological criteria and does not take into account governmental restrictions on coal development or evaluate actual economic constraints

to development now or in the future. The three criteria that have been used are Coal Potential, Mining Potential, and Data Availability (discussed in more detail below). Areas in Green on the companion map (thematic inset 'Coal Development Potential') reflect higher level of knowledge and potential for development of coal than the blue (medium) or red areas (low). Areas rated in blue indicate more information is needed to determine the coal development potential. Areas colored red indicate some potential for development. The remaining uncolored areas have no data available often because the coal, if present, is at depth under non coal-bearing rocks.

Coal Potential

Resources

The amount of data is too small for a quantitative evaluation of coal resources.

Coal Quality

Very little coal quality data is available but where test results are present the potential of the coal for development is strengthened. In general where a sample has been collected and analyzed the coal has an inherent development potential.

Mining Potential

Overburden

An evaluation of overburden for surface mining and depth for underground mining has been made. (The 'Mining Potential' criteria did not take into account governmental restrictions on coal development or evaluate actual economic constraints to development now or in the future.)

Geotechnical

Geotechnical considerations included an evaluation of structural setting. Consideration was given to infrastructural concerns related to site, environment and potential mining problems.

Data Availability

Little coal data is available for the entire map area but where present the potential of the coal for development is strengthened. In general, where an outcrop, drillhole or sample is present the coal has an increased development potential. Some value was given to areas containing sediments that typically include coal.

Future Work

In general, from a coal resource/exploration point of view, the map area has been only superficially examined. Additional coal exploration and coal quality data needs to be collected throughout the map area.

The coal-bearing Luscar Group, while not present in surface exposures, occurs at depth. Within the mapsheet, the Luscar Group is intersected, in the subsurface, in the 1900 to 2650 meter_deep range. If depth of burial is not a deterrent, the presence of (thick ?) coals of low to medium volatile bituminous rank could indicate the area has potential for coalbed methane. The entire area of the accompanying map, RCM8, contains Luscar sediments at depth. Additional work is required to establish and evaluate the coalbed methane resource potential of the Luscar Group in the area.

The mapsheet contains coals of the Cutbank and the Kakwa coal measures of the Wapiti Group. These coals should also be considered for their coalbed methane potential. The coals have a rank of high volatile bituminous C. Coalbed methane potential, while (probably) not as high as the Luscar Group coals, should not be excluded.

Based on existing data, potential surface-mineable coal resources may be contained within the Cutbank and Kakwa coal measures. Additional mapping and mechanical exploration programs are required to establish and quantify both coal quantity and quality.

For most of the remaining map area, little data is available and the coal development potential is somewhat uncertain.

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Appendix 1. 83L/10 - Coal Drillholes

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
1																						
2	FILE NAME: 83L10.DLS (on the mainframe)																					
3																						
4	NOTE:	1. 'ORIG' that has been edited ...ie, ERCB Coal Hole File did not present 'true' original drillhole number; ORIG now represents 'true' original drillhole number.																				
5		2. No coal in drillhole as per criteria of Hughes, Mudry & Nikols in GSC Paper 88-21, 'A Standardized Coal Resource/Reserve System for Canada'; geology picks have been modified from the AGS Coal Database																				
6		April, 1989 version of the ERCB Coal Hole File.																				
7		3. A 'Y' indicates that coal quality data exists; ref: AGS Coal Database, April, 1989 version of the ERCB Coal Hole File																				
8						DWF 9007																
9																						
10																						
11																						
12	SITID	CAT-ID	ORIG	EDITED (1)	NCInDH (2)	CQ (3)	M	T	R	S	RSEC	RCNR	METN	METE	ELEV	TD	CPDT	DRLD	CORPNUM	COMPANY		
13																						
14	1048256	363648	SP78-67	X	NC		6	63	4	31	31	NE	0.00	0.00	944.90	44.20	670900	810700	7	ALBERTA RESEARCH COUNCIL		
15	1048285	365368	9		NC		6	63	6	32	32	NE	-131.00	-713.00	1004.00	141.70	791100	841000	43	ESSO RESOURCES CANADA LIMITED		
16	1048294	363846	SP64A-67	X	NC		6	63	7	33	33	NE	0.00	-73.20	960.10	27.40	670900	810700	7	ALBERTA RESEARCH COUNCIL		
17	1048324	364067	SP77A-67	X	NC		6	64	4	4	4	NE	-225.50	0.00	897.60	48.80	670900	810700	7	ALBERTA RESEARCH COUNCIL		
18	1048325	364083	SP76-67	X	NC		6	64	4	16	16	NE	-201.20	-1609.30	865.60	45.70	670900	810700	7	ALBERTA RESEARCH COUNCIL		
19	1048327	364133	SP73-67	X	NC		6	64	5	8	8	NE	-1207.00	0.00	973.80	45.70	670900	810700	7	ALBERTA RESEARCH COUNCIL		
20	1048328	364141	5				6	64	5	17	17	NE	-1483.80	-485.20	877.20	408.10	771200	830700	50	GULF CANADA CORPORATION		
21	1048329	364109	SP74-67	X	NC		6	64	5	20	20	NE	-914.40	-609.60	920.50	39.60	670900	810700	7	ALBERTA RESEARCH COUNCIL		
22	1048330	364117	SP92-67	X	NC		6	64	5	25	25	NE	0.00	0.00	914.40	50.30	670900	810700	7	ALBERTA RESEARCH COUNCIL		
23	1048331	364125	SP75-67	X	NC		6	64	5	27	27	NE	-804.70	-1126.50	917.40	45.70	670900	810700	7	ALBERTA RESEARCH COUNCIL		
24	1048332	364158	SP63-67	X	NC		6	64	7	9	9	NE	-1371.60	-609.60	826.00	27.40	670900	810700	7	ALBERTA RESEARCH COUNCIL		
25	1048333	364166	SP62-67	X	NC		6	64	7	9	9	NE	-1066.80	-762.00	838.20	49.10	670900	810700	7	ALBERTA RESEARCH COUNCIL		
26	1048334	364208	1		NC		6	64	7	15	15	NE	-1169.50	-260.90	905.60	167.60	771200	810400	50	GULF CANADA CORPORATION		
27	1048335	364174	SP61-67	X	NC		6	64	7	22	22	NE	-762.00	-457.20	979.90	41.10	670900	810700	7	ALBERTA RESEARCH COUNCIL		
28	1048336	364190	577				6	64	7	23	23	NE	-1310.60	-1356.40	1005.80	243.80	770300	830700	87	SCURRY RAINBOW OIL LTD		
29	1048400	364760	SP93-67	X	NC		6	65	4	5	5	NE	-804.70	-1408.20	931.20	45.70	670900	810700	7	ALBERTA RESEARCH COUNCIL		
30	1048401	364778	SP95-67	X	NC		6	65	4	8	8	NE	-603.50	-402.30	929.60	36.60	670900	810700	7	ALBERTA RESEARCH COUNCIL		
31	1048403	364786	SP94-67	X	NC		6	65	5	12	12	NE	0.00	0.00	838.20	45.70	670900	810700	7	ALBERTA RESEARCH COUNCIL		
32	1048405	364802	KWRRC-7830	X	NC		6	65	5	18	18	NE	-3.00	-549.00	1078.90	44.20	760200	830700	53	HUDBAY COAL COMPANY		
33	1048406	364794	6				6	65	5	20	20	NE	-358.10	-256.00	800.70	304.80	771100	810400	50	GULF CANADA CORPORATION		
34	1048407	364810	3		NC		6	65	6	14	14	NE	-1408.20	-1408.20	920.50	134.10	740300	810400	93	TEXACO CANADA RESOURCES LTD		
35	1048408	364828	2		NC		6	65	6	30	30	NE	-1408.20	-1005.80	1015.00	97.50	740300	810400	93	TEXACO CANADA RESOURCES LTD		
36	1048444	365189	5		NC		6	66	5	9	9	NE	-1005.80	-603.50	900.00	85.30	740300	810400	93	TEXACO CANADA RESOURCES LTD		
37	1048445	365247	SP58-66	X	NC		6	66	7	4	4	NE	-1408.20	-603.50	984.50	38.10	660700	810700	7	ALBERTA RESEARCH COUNCIL		
38	1048447	365213	GP2-77	X			6	66	7	9	9	NE	-1408.20	-603.50	914.40	185.00	770700	830700	7	ALBERTA RESEARCH COUNCIL		
39	1048448	365205	SP57-66	X	NC		6	66	7	11	11	NE	-603.50	-1005.80	970.80	45.70	660700	810700	7	ALBERTA RESEARCH COUNCIL		
40	1048449	365230	SP56-66	X	NC		6	66	7	15	15	NE	0.00	0.00	975.40	45.70	660700	810700	7	ALBERTA RESEARCH COUNCIL		
41	1048450	365197	SP55-66	X	NC		6	66	7	27	27	NE	-201.20	-603.50	877.80	45.70	660700	810700	7	ALBERTA RESEARCH COUNCIL		
42	1050704	536417	SP64-67	X	NC		6	63	7	33	33	NE	0.00	0.00	960.10	22.90	670900	880400	7	ALBERTA RESEARCH COUNCIL		
43	1050709	536458	SP77-67	X	NC		6	64	4	4	4	NE	0.00	0.00	897.60	27.40	670900	880400	7	ALBERTA RESEARCH COUNCIL		
44	1050713	536482	SP91-67	X	NC		6	64	4	33	33	NE	-1207.00	-1408.20	871.70	45.70	670900	880400	7	ALBERTA RESEARCH COUNCIL		

Appendix 2. 83L/10 - Oil and Gas Wells; Status and Formation Tops

Site ID: 98678 Source ID: 00/11-07-064-04W6/0

Latitude: 54.526152 Well Length: 2789.000
Longitude: 118.596204
KB Elevation: 920.700 Status: Abandoned Well

Well Name: DOME ET AL KAKWA 11-7-64-4

Depth Meters	Depth Feet	Horizon Name	
1280.000	4199.475	WAPIABI FM	WPBI
1340.500	4397.966	CHINOOK MBR	CHNK
1415.000	4642.389	COLORADO GRP	COLO
1507.500	4945.866	BADHEART FM	BADH
1564.000	5131.234	CARDIUM FM	CARD
1589.000	5213.255	CARDIUM SD	CARD SD
1608.000	5275.591	KASKAPAU FM	KPAU
2008.500	6589.567	DUNVEGAN FM	DUNV
2100.000	6889.764	SHAFTESBURY FM	SHFT
2181.000	7155.512	BASE FISH SCALES ZONE	BFSC
2264.000	7427.822	PADDY MBR	PADY
2276.000	7467.192	CADOTTE MBR	CDOT
2293.500	7524.606	HARMON MBR	HARM
2323.000	7621.391	NOTIKEWIN MBR	NOTI
2340.000	7677.166	FALHER A	FALHER A
2505.000	8218.504	WILRICH MBR	WILR
2601.500	8535.105	BLUESKY FM	BLSK
2623.500	8607.284	GETHING FM	GETH
2726.000	8943.570	CADOMIN FM	CADM
2739.500	8987.861	NIKANASSIN FM	NIKA

Site ID: 98680 Source ID: 00/06-15-064-04W6/0

Latitude: 54.536165 Well Length: 4358.300
Longitude: 118.518720
KB Elevation: 887.300 Status: Abandoned Well

Well Name: B.A. KAKWA 6-15-64-4

Depth Meters	Depth Feet	Horizon Name	
1247.500	4092.848	WAPIABI FM	WPBI
1261.900	4140.092	CHINOOK MBR	CHNK
1353.000	4438.977	COLORADO GRP	COLO
1441.100	4728.019	BADHEART FM	BADH
1502.100	4928.150	CARDIUM FM	CARD
1520.300	4987.861	CARDIUM SD	CARD SD
1550.200	5085.958	KASKAPAU FM	KPAU
1738.000	5702.100	SECOND WHITE SPECKLED S	H2WS
1922.700	6308.071	DUNVEGAN FM	DUNV
2027.800	6652.888	SHAFTESBURY FM	SHFT
2091.500	6861.877	BASE FISH SCALES ZON	BFSC
2165.000	7103.019	PEACE RIVER FM	PR
2184.800	7167.979	CADOTTE MBR	CDOT
2200.700	7220.145	HARMON MBR	HARM
2204.900	7233.924	SPIRIT RIVER FM	SPRT R
2500.000	8202.100	GETHING FM	GETH
2619.800	8595.145	CADOMIN FM	CADM
2633.800	8641.076	NIKANASSIN FM	NIKA
2719.700	8922.900	FERNIE GRP	FERN
2767.300	9079.068	NORDEGG MBR	NORD
2788.600	9148.951	TRIASSIC SYSTEM	TRIA SYS
3048.000	10000.000	BELLOY FM	BELL
3094.000	10150.919	GOLATA FM	GOLA
3098.600	10166.011	DEBOLT FM	DBLT
3223.900	10577.100	SHUNDA FM	SHUN
3386.600	11110.893	PEKISKO FM	PEK
3440.600	11288.059	BANFF FM	BNFF
3633.800	11921.917	EXSHAW FM	EX
3635.000	11925.854	WABAMUN GRP	WAB
3849.300	12628.938	WINTERBURN GRP	WINT
3980.100	13058.071	IRETON FM	IRE
4294.300	14088.910	BEAVERHILL LAKE FM	BH LK
4344.000	14251.969	GILWOOD MBR	GLWD

Site ID: 98682 Source ID: 00/08-30-064-04W6/0

Latitude: 54.564359 Well Length: 2055.000
Longitude: 118.579736
KB Elevation: 886.200 Status: Abandoned Well

Well Name: GULF KAKWA 8-30-64-4

Depth Meters	Depth Feet	Horizon Name	
1210.500	3971.457	WAPIABI FM	WPBI
1337.500	4388.124	COLORADO GRP	COLO
1428.500	4686.680	BADHEART FM	BADH
1487.000	4878.609	CARDIUM FM	CARD
1507.500	4945.866	CARDIUM SD	CARD SD
1526.800	5009.187	KASKAPAU FM	KPAU
1918.000	6292.651	DUNVEGAN FM	DUNV
2004.000	6574.803	SHAFTESBURY FM	SHFT

Site ID: 98683 Source ID: 00/11-01-064-05W6/0

Latitude: 54.512190 Well Length: 2880.000
Longitude: 118.621333
KB Elevation: 893.700 Status: Capped Gaswell

Well Name: DOME ET AL KAKWA 11-1-64-5

Depth Meters	Depth Feet	Horizon Name	
1288.000	4225.722	WAPIABI FM	WPBI
1399.000	4589.895	COLORADO GRP	COLO
1489.000	4885.171	BADHEART FM	BADH
1554.500	5100.066	CARDIUM FM	CARD
1574.200	5164.698	CARDIUM SD	CARD SD
1593.000	5226.378	KASKAPAU FM	KPAU
1987.500	6520.669	DUNVEGAN FM	DUNV
2121.000	6958.662	SHAFTESBURY FM	SHFT
2190.000	7185.040	BASE FISH SCALES ZONE	BFSC
2274.700	7462.927	PADDY MBR	PADY
2284.300	7494.423	CADOTTE MBR	CDOT
2309.000	7575.459	HARMON MBR	HARM
2333.500	7655.840	SPIRIT RIVER FM	SPRT R
2607.000	8553.149	BLUESKY FM	BLSK
2613.500	8574.476	GETHING FM	GETH
2731.000	8959.974	CADOMIN FM	CADM
2751.000	9025.591	NIKANASSIN FM	NIKA
2823.000	9261.812	FERNIE GRP	FERN

Site ID: 98684 Source ID: 00/07-06-064-05W6/0

Latitude: 54.506120 Well Length: 1684.000
Longitude: 118.737719
KB Elevation: 927.500 Status: Capped Gaswell

Well Name: CDNOXY MUSREAU 7-6-64-5

Depth Meters	Depth Feet	Horizon Name	
1339.000	4393.045	WAPIABI FM	WPBI
1470.000	4822.835	COLORADO GRP	COLO
1552.500	5093.504	BADHEART FM	BADH
1623.300	5325.788	CARDIUM FM	CARD
1650.500	5415.026	CARDIUM SD	CARD SD
1663.500	5457.677	KASKAPAU FM	KPAU

Site ID: 98685 Source ID: 00/09-07-064-05W6/0

Latitude: 54.526584 Well Length: 1684.200
Longitude: 118.736172
KB Elevation: 931.900 Status: Abandoned Well

Well Name: DOME ET AL KAKWA 9-7-64-5

Depth Meters	Depth Feet	Horizon Name	
1326.000	4350.394	WAPIABI FM	WPBI
1445.000	4740.814	COLORADO GRP	COLO
1527.600	5011.811	BADHEART FM	BADH
1598.000	5242.782	CARDIUM FM	CARD
1627.200	5338.583	CARDIUM SD	CARD SD
1638.900	5376.969	KASKAPAU FM	KPAU

Site ID: 98686 Source ID: 00/10-08-064-05W6/0

Latitude: 54.526094 Well Length: 3411.000
Longitude: 118.712693
KB Elevation: 985.300 Status: Capped Gaswell

Well Name: DOME KAKWA 10-8-64-5

Depth Meters	Depth Feet	Horizon Name	
1374.500	4509.515	WAPIABI FM	WPBI
1498.500	4916.339	COLORADO GRP	COLO
1581.500	5188.648	BADHEART FM	BADH
1650.000	5413.386	CARDIUM FM	CARD
1676.000	5498.688	CARDIUM SD	CARD SD
1696.000	5564.305	KASKAPAU FM	KPAU
2136.500	7009.515	DUNVEGAN FM	DUNV
2228.500	7311.352	SHAFTESBURY FM	SHFT
2308.000	7572.179	BASE FISH SCALES ZONE	BFSC
2395.400	7858.924	PADDY MBR	PADY
2408.500	7901.903	CADOTTE MBR	CDOT
2427.000	7962.599	HARMON MBR	HARM
2454.000	8051.181	SPIRIT RIVER FM	SPRT R
2746.000	9009.187	BLUESKY FM	BLSK
2765.000	9071.522	GETHING FM	GETH
2877.500	9440.617	CADOMIN FM	CADM
2888.300	9476.051	NIKANASSIN FM	NIKA
2974.000	9757.218	FERNIE GRP	FERN
3050.800	10009.187	NORDEGG MBR	NORD
3073.200	10082.678	CHARLIE LAKE FM	CH LK
3116.000	10223.098	DOIG FM	DOIG
3163.000	10377.297	MONTNEY FM	MONT
3369.600	11055.119	BELLOY FM	BELL

Site ID: 98687 Source ID: 00/06-14-064-05W6/0

Latitude: 54.534741 Well Length: 1646.000
Longitude: 118.647306
KB Elevation: 928.900 Status: Abandoned Well

Well Name: PCP KAKWA 6-14-64-5

Depth Meters	Depth Feet	Horizon Name	
1292.500	4240.486	WAPIABI FM	WPBI
1348.500	4424.213	CHINOOK MBR	CHNK
1381.000	4530.840	COLORADO GRP	COLO
1519.000	4983.596	BADHEART FM	BADH
1535.000	5036.089	MUSKIKI FM	MSKK
1584.000	5196.851	CARDIUM FM	CARD
1604.000	5262.467	CARDIUM SD	CARD SD
1623.000	5324.803	KASKAPAU FM	KPAU
1646.000	5400.263	TOTAL DEPTH	TD

Site ID: 98688 Source ID: 00/07-16-064-05W6/0

Latitude: 54.534363 Well Length: 1636.000
Longitude: 118.686013
KB Elevation: 907.100 Status: Suspended Gaswell

Well Name: DOME ET AL KAKWA 7-16-64-5

Depth Meters	Depth Feet	Horizon Name	
1278.300	4193.898	WAPIABI FM	WPBI
1402.500	4601.378	COLORADO GRP	COLO
1493.000	4898.294	BADHEART FM	BADH
1530.500	5086.942	CARDIUM FM	CARD
1576.000	5170.604	CARDIUM SD	CARD SD
1597.300	5240.486	KASKAPAU FM	KPAU

Site ID: 98689 Source ID: 00/10-20-064-05W6/0

Latitude: 54.554149 Well Length: 2246.400
Longitude: 118.713740
KB Elevation: 928.400 Status: Abandoned Well

Well Name: BAYSEL-REGENT-CFP WEST MUSREAU 10-20

Depth Meters	Depth Feet	Horizon Name	
1286.300	4220.145	WAPIABI FM	WPBI
1313.100	4308.071	CHINOOK MBR	CHNK
1414.900	4642.061	COLORADO GRP	COLO
1506.300	4941.930	BADHEART FM	BADH
1564.800	5133.858	CARDIUM FM	CARD
1588.000	5209.974	CARDIUM SD	CARD SD
2043.700	6705.053	DUNVEGAN FM	DUNV
2139.100	7018.045	SHAFTESBURY FM	SHFT
2231.400	7320.866	BASE FISH SCALES ZONE	BFSC

Site ID: 141250 Source ID: 00/07-26-064-05W6/0

Latitude: 54.564841 Well Length: 1620.000
Longitude: 118.636189
KB Elevation: 944.500 Status: Abandoned Well

Well Name: CDNOXY ET AL KAKWA 7-26-64-5

Depth Meters	Depth Feet	Horizon Name	
1258.500	4128.937	WAPIABI FM	WPBI
1339.500	4394.685	CHINOOK MBR	CHNK
1364.500	4476.706	COLORADO GRP	COLO
1500.000	4921.260	BADHEART FM	BADH
1514.500	4968.832	MUSKIKI FM	MSKK
1557.000	5108.268	CARDIUM FM	CARD
1582.000	5190.289	CARDIUM SD	CARD SD
1620.000	5314.961	TOTAL DEPTH	TD

Site ID: 98691 Source ID: 00/11-27-064-05W6/0

Latitude: 54.569830 Well Length: 3300.000
Longitude: 118.671605
KB Elevation: 925.000 Status: Capped Gaswell

Well Name: IMP UNION MUSREAU 11-27-64-5

Depth Meters	Depth Feet	Horizon Name	
1269.000	4163.386	WAPIABI FM	WPBI
1398.500	4588.255	COLORADO GRP	COLO
1486.500	4876.969	BADHEART FM	BADH
1544.000	5065.617	CARDIUM FM	CARD
1567.500	5142.717	CARDIUM SD	CARD SD
1585.000	5200.131	KASKAPAU FM	KPAU
2002.500	6569.882	DUNVEGAN FM	DUNV
2094.000	6870.079	SHAFTESBURY FM	SHFT
2149.000	7050.525	BASE FISH SCALES ZONE	BFSC
2266.500	7436.024	PADDY MBR	PADY
2282.500	7488.517	CADOTTE MBR	CDOT
2298.000	7539.370	HARMON MBR	HARM
2323.600	7623.360	SPIRIT RIVER FM	SPRT R
2615.000	8579.396	BLUESKY FM	BLSK
2635.000	8645.014	GETHING FM	GETH
2751.000	9025.591	CADOMIN FM	CADM
2755.500	9040.354	NIKANASSIN FM	NIKA
2826.100	9271.982	FERNIE GRP	FERN
2903.500	9525.919	NORDEGG MBR	NORD
2927.000	9603.019	CHARLIE LAKE FM	CH LK
2981.000	9780.184	DOIG FM	DOIG
3010.000	9875.328	MONTNEY FM	MONT
3217.000	10554.462	BELLOY FM	BELL
3266.000	10715.224	GOLATA FM	GOLA
3275.000	10744.751	DEBOLT FM	DBLT

Site ID: 98692 Source ID: 00/10-29-064-05W6/0

Latitude: 54.569868 Well Length: 1620.000
Longitude: 118.712415
KB Elevation: 916.500 Status: Abandoned Well

Well Name: ESSO MUSREAU 10-29C-64-5

Depth Meters	Depth Feet	Horizon Name	
1280.800	4202.100	WAPIABI FM	WPBI
1392.000	4566.929	COLORADO GRP	COLO
1480.800	4858.268	BADHEART FM	BADH
1540.000	5052.494	CARDIUM FM	CARD
1564.000	5131.234	CARDIUM SD	CARD SD
1585.500	5201.772	KASKAPAU FM	KPAU

Site ID: 98693 Source ID: 00/16-04-064-06W6/0

Latitude: 54.513860 Well Length: 1649.000
Longitude: 118.834684
KB Elevation: 860.100 Status: Abandoned Oilwell

Well Name: BAYSEL CUTBANK E 16-4-64-6

Depth Meters	Depth Feet	Horizon Name	
1270.400	4167.979	WAPIABI FM	WPBI
1300.000	4265.092	CHINOOK MBR	CHNK
1417.300	4649.935	COLORADO GRP	COLO
1501.100	4924.869	BADHEART FM	BADH
1570.300	5151.903	CARDIUM FM	CARD
1600.800	5251.969	CARDIUM SD	CARD SD

Site ID: 98694 Source ID: 00/04-06-064-06W6/0

Latitude: 54.504893 Well Length: 1666.000
Longitude: 118.900831
KB Elevation: 933.100 Status: Flowing Oilwell

Well Name: CANHUNTER ET AL KAKWA 4-6-64-6

Depth Meters	Depth Feet	Horizon Name	
1371.000	4498.032	WAPIABI FM	WPBI
1405.000	4609.580	CHINOOK MBR	CHNK
1500.000	4921.260	COLORADO GRP	COLO
1592.000	5223.097	BADHEART FM	BADH
1655.300	5430.774	CARDIUM FM	CARD
1666.000	5465.879	TOTAL DEPTH	TD

Site ID: 98695 Source ID: 00/06-09-064-06W6/0

Latitude: 54.519725 Well Length: 1665.000
Longitude: 118.847829
KB Elevation: 883.800 Status: Abandoned Well

Well Name: ESSO MUSREAU 6-9C-64-6

Depth Meters	Depth Feet	Horizon Name	
1288.000	4225.722	WAPIABI FM	WPBI
1433.300	4702.428	COLORADO GRP	COLO
1517.500	4978.675	BADHEART FM	BADH
1587.200	5207.349	CARDIUM FM	CARD
1618.400	5309.711	CARDIUM SD	CARD SD
1630.000	5347.769	KASKAPAU FM	KPAU

Site ID: 98696 Source ID: 00/10-10-064-06W6/0

Latitude: 54.526004 Well Length: 3154.000
Longitude: 118.813624
KB Elevation: 960.200 Status: Suspended Well

Well Name: ESSO KAKWA 10-10-64-6

Depth Meters	Depth Feet	Horizon Name	
1379.000	4524.278	WAPIABI FM	WPBI
1495.000	4904.856	COLORADO GRP	COLO
1582.000	5190.289	BADHEART FM	BADH
1646.000	5400.263	CARDIUM FM	CARD
1673.000	5488.845	CARDIUM SD	CARD SD
1687.000	5534.777	KASKAPAU FM	KPAU
2147.000	7043.963	DUNVEGAN FM	DUNV
2329.000	7641.076	BASE FISH SCALES ZONE	BFSC
2418.000	7933.071	PADDY MBR	PADY
2429.000	7969.160	CADOTTE MBR	CDOT
2451.000	8041.339	HARMON MBR	HARM
2467.000	8093.833	SPIRIT RIVER FM	SPRT R
2513.300	8245.735	FALHER MBR	FALH
2777.000	9110.893	BLUESKY FM	BLSK
2792.000	9160.105	GETHING FM	GETH
2907.000	9537.402	CADOMIN FM	CADM
2918.500	9575.132	NIKANASSIN FM	NIKA
3027.000	9931.103	FERNIE GRP	FERN

Site ID: 98697 Source ID: 00/07-11-064-06W6/0

Latitude: 54.519985 Well Length: 1690.000
Longitude: 118.792328
KB Elevation: 919.800 Status: Abandoned Well

Well Name: ESSO UNION MUSREAU 7-11-64-6

Depth Meters	Depth Feet	Horizon Name	
1313.000	4307.743	WAPIABI FM	WPBI
1456.400	4778.215	COLORADO GRP	COLO
1545.000	5068.898	BADHEART FM	BADH
1611.000	5285.433	CARDIUM FM	CARD
1637.600	5372.704	CARDIUM SD	CARD SD
1651.300	5417.651	KASKAPAU FM	KPAU

Site ID: 98698 Source ID: 00/16-28-064-06W6/0

Latitude: 54.570922 Well Length: 2948.000
Longitude: 118.836320
KB Elevation: 877.000 Status: Capped Gaswell

Well Name: ESSO UNION MUSREAU 16-28-64-6

Depth Meters	Depth Feet	Horizon Name	
1222.000	4009.187	WAPIABI FM	WPBI
1359.500	4460.302	COLORADO GRP	COLO
1448.000	4750.656	BADHEART FM	BADH
1509.000	4950.788	CARDIUM FM	CARD
1536.500	5041.011	CARDIUM SD	CARD SD
1550.500	5086.942	KASKAPAU FM	KPAU
2020.000	6627.297	DUNVEGAN FM	DUNV
2105.000	6906.168	SHAFTESBURY FM	SHFT
2205.000	7234.252	BASE FISH SCALES ZONE	BFSC
2299.000	7542.651	PADDY MBR	PADY
2316.000	7598.425	CADOTTE MBR	CDOT
2336.500	7665.683	HARMON MBR	HARM
2362.500	7750.984	SPIRIT RIVER FM	SPRT R
2657.200	8717.848	GETHING FM	GETH
2795.500	9171.588	CADOMIN FM	CADM
2806.000	9206.037	NIKANASSIN FM	NIKA
2911.000	9550.525	FERNIE GRP	FERN

Site ID: 98699 Source ID: 00/06-09-064-07W6/0

Latitude: 54.522611 Well Length: 2507.000
Longitude: 118.995642
KB Elevation: 843.100 Status: Abandoned Oilwell

Well Name:BAYSEL REGENT FPC CUTBANK 6-9-64-7

Depth Meter	Depth Feet	Horizon Name	
1239.000	4064.961	WAPIABI FM	WPBI
1264.900	4149.935	CHINOOK MBR	CHNK
1392.900	4569.882	COLORADO GRP	COLO
1486.800	4877.953	BADHEART FM	BADH
1549.000	5082.021	CARDIUM FM	CARD
1580.400	5185.040	CARDIUM SD	CARD SD
1629.200	5345.145	KASKAPAU FM	KPAU
2104.600	6904.856	DUNVEGAN FM	DUNV
2208.300	7245.079	SHAFTESBURY FM	SHFT
2316.500	7600.066	BASE FISH SCALES ZONE	BFSC
2397.600	7866.142	PADDY MBR	PADY
2421.600	7944.882	CADOTTE MBR	CDOT
2447.500	8029.856	HARMON MBR	HARM
2477.400	8127.953	SPIRIT RIVER FM	SPRT R

Site ID: 98700 Source ID: 00/07-12-064-07W6/0

Latitude: 54.519824 Well Length: 1617.000
Longitude: 118.915088
KB Elevation: 863.500 Status: Suspended Gaswell

Well Name: CANHUNTER ET AL BILBO 7-12-64-7

Depth Meters	Depth Feet	Horizon Name	
1286.000	4219.160	WAPIABI FM	WPBI
1320.500	4332.349	CHINOOK MBR	CHNK
1416.000	4645.669	COLORADO GRP	COLO
1505.000	4937.664	BADHEART FM	BADH
1568.000	5144.357	CARDIUM FM	CARD
1590.500	5218.176	CARDIUM SD	CARD SD
1617.000	5305.118	TOTAL DEPTH	TD

Site ID: 98701 Source ID: 00/07-21-064-07W6/0

Latitude: 54.549688 Well Length: 3763.000
Longitude: 118.990069
KB Elevation: 1052.400 Status: Capped Gaswell

Well Name: TEXACO MURPHY CUTBANK 7-21-64-7

Depth Meters	Depth Feet	Horizon Name	
1435.000	4708.005	WAPIABI FM	WPBI
1573.000	5160.761	COLORADO GRP	COLO
1664.200	5459.974	BADHEART FM	BADH
1723.000	5652.887	CARDIUM FM	CARD
1755.000	5757.874	CARDIUM SD	CARD SD
1771.300	5811.352	KASKAPAU FM	KPAU
2253.000	7391.732	DUNVEGAN FM	DUNV
2370.000	7775.591	SHAFTESBURY FM	SHFT
2462.500	8079.068	BASE FISH SCALES ZONE	BFSC
2561.500	8403.872	PADDY MBR	PADY
2584.500	8479.331	CADOTTE MBR	CDOT
2605.000	8546.588	HARMON MBR	HARM
2635.000	8645.014	SPIRIT RIVER FM	SPRT R
2945.000	9662.074	GETHING FM	GETH
3070.000	10072.179	CADOMIN FM	CADM
3079.500	10103.347	NIKANASSIN FM	NIKA
3229.200	10594.488	FERNIE GRP	FERN
3299.000	10823.491	NORDEGG MBR	NORD
3319.500	10890.748	TRIASSIC SYSTEM	TRIA SYS
3454.000	11332.021	MONTNEY FM	MONT
3661.000	12011.155	BELLOY FM	BELL
3714.500	12186.681	DEBOLT FM	DBLT

Site ID: 98702 Source ID: 00/11-25-064-07W6/0

Latitude: 54.568759 Well Length: 3555.000
Longitude: 118.924045
KB Elevation: 907.100 Status: Capped Gaswell

Well Name: UNION ESSO KAKWA 11-25-64-7

Depth Meters	Depth Feet	Horizon Name	
1278.800	4195.539	WAPIABI FM	WPBI
1416.300	4646.654	COLORADO GRP	COLO
1501.400	4925.853	BADHEART FM	BADH
1564.800	5133.858	CARDIUM FM	CARD
1594.700	5231.956	CARDIUM SD	CARD SD
1605.500	5267.389	KASKAPAU FM	KPAU
2086.500	6845.473	DUNVEGAN FM	DUNV
2185.200	7169.292	SHAFTESBURY FM	SHFT
2306.400	7566.929	BASE FISH SCALES ZONE	BFSC
2378.500	7803.478	PADDY MBR	PADY
2395.000	7857.612	CADOTTE MBR	CDOT
2415.000	7923.229	HARMON MBR	HARM
2440.800	8007.875	SPIRIT RIVER FM	SPRT R
2747.000	9012.468	BLUESKY FM	BLSK
2776.000	9107.612	GETHING FM	GETH
2881.500	9453.740	CADOMIN FM	CADM
2891.600	9486.877	NIKANASSIN FM	NIKA
3019.300	9905.841	FERNIE GRP	FERN
3094.700	10153.216	NORDEGG MBR	NORD
3115.700	10222.113	CHARLIE LAKE FM	CH LK
3186.500	10454.396	DOIG FM	DOIG
3247.700	10655.184	MONTNEY FM	MONT
3455.200	11335.958	BELLOY FM	BELL
3524.000	11561.680	DEBOLT FM	DBLT

Site ID: 98703 Source ID:

Latitude: 54.576678 Well L
Longitude: 118.997561
KB Elevation: 1034.200 Status d Well

Well Name: REGENT BAYSEL ET A

NOTE: Data lines, in *italics*, represen
Data lines, in plain text, repre

Depth Meter	Depth Feet	Horizo	
1350.900	4432.087	WAPIA	WPBI
1405.100	*4609.908*	*CHINO*	*CHNK*
1405.400	4610.893	CHINO	CHNK
1525.800	*5005.906*	*COLOR*	*COLO*
1526.100	5006.890	COLOR	COLO
1615.100	*5298.885*	*BADHE*	*BADH*
1615.400	5299.869	BADHE	BADH
1679.800	*5511.155*	*CARDI*	*CARD*
1680.100	5512.139	CARDI	CARD
1690.700	*5546.916*	*CARDI*	*CARD SD*
1702.600	5585.958	CARDI	CARD SD
1724.300	*5657.152*	*KASKA*	*KPAU*
1724.900	5659.121	KASKA	KPAU
2202.500	*7226.050*	*DUNVE*	*DUNV*
2204.300	7231.956	DUNVE	DUNV
2307.900	*7571.850*	*SHAFT*	*SHFT*
2309.800	7578.084	SHAFT	SHFT
2401.500	*7878.938*	*BASE F*	*BFSC*
2429.000	7969.160	BASE F	BFSC
2502.700	*8210.958*	*PADDY*	*PADY*
2504.800	8217.849	PADDY	PADY
2524.700	*8283.137*	*CADOT*	*CDOT*
2526.800	8290.026	CADOT	CDOT
2545.400	*8351.050*	*HARMC*	*HARM*
2547.500	8357.939	HARMC	HARM
2549.700	*8365.157*	*SPIRIT*	*SPRT R*
2551.800	8372.048	SPIRIT	SPRT R
2870.000	*9416.011*	*GETHI*	*GETH*
2872.100	9422.901	GETHI	GETH
3153.200	*10345.145*	*FERNI*	*FERN*
3155.300	10352.034	FERNI	FERN
3229.100	*10594.161*	*NORDE*	*NORD*
3231.200	10601.050	NORDE	NORD
3325.400	10910.105	DOIG P	DOIG

3382.400	11097.113	MONTNEY FM	MONT
3584.400	*11759.843*	*BELLOY FM*	*BELL*
3584.800	11761.155	BELLOY FM	BELL
3622.500	*11884.843*	*GOLATA FM*	*GOLA*
3624.700	11892.061	GOLATA FM	GOLA
3655.800	*11994.095*	*DEBOLT FM*	*DBLT*
3658.200	12001.969	DEBOLT FM	DBLT
3784.700	*12416.995*	*SHUNDA FM*	*SHUN*
3786.800	12423.885	SHUNDA FM	SHUN
3949.600	*12958.006*	*PEKISKO FM*	*PEK*
3952.000	12965.880	PEKISKO FM	PEK
4002.900	*13132.874*	*BANFF FM*	*BNFF*
4005.400	13141.076	BANFF FM	BNFF
4178.200	*13708.006*	*EXSHAW FM*	*EX*
4179.400	*13711.942*	*WABAMUN GRP*	*WAB*
4180.600	13715.880	EXSHAW FM	EX
4181.900	13720.145	WABAMUN GRP	WAB
4416.200	*14488.847*	*WINTERBURN GRP*	*WINT*
4419.600	14500.001	WINTERBURN GRP	WINT
4498.800	*14759.843*	*WOODBEND GRP*	*WOOD*
4502.500	14771.982	WOODBEND GRP	WOOD
4564.100	*14974.082*	*LEDUC FM*	*LED*
4568.000	14986.877	LEDUC FM	LED

Site ID: 98704 Source ID: 00/07-33-064-07W6/0

Latitude: 54.579714 Well Length: 4054.400
Longitude: 118.991441
KB Elevation: 1031.100 Status: Abandoned Well

Well Name: REGENT BAYSEL ET AL CUTBKR 7-33-64-7

Depth Meters	Depth Feet	Horizon Name	
1355.100	4445.866	WAPIABI FM	WPBI
1402.700	4602.034	CHINOOK MBR	CHNK
1522.200	4994.095	COLORADO GRP	COLO
1610.900	5285.105	BADHEART FM	BADH
1672.400	5486.877	CARDIUM FM	CARD
1702.600	5585.958	CARDIUM SD	CARD SD
1752.000	5748.032	KASKAPAU FM	KPAU
2200.000	7217.848	DUNVEGAN FM	DUNV
2300.600	7547.901	SHAFTESBURY FM	SHFT
2428.000	7965.879	BASE FISH SCALES ZONE	BFSC
2496.600	8190.945	PADDY MBR	PADY
2522.500	8275.919	CADOTTE MBR	CDOT
2544.200	8347.113	HARMON MBR	HARM
2551.200	8370.079	SPIRIT RIVER FM	SPRT R
2869.700	9415.026	GETHING FM	GETH
3179.100	10430.119	FERNIE GRP	FERN
3227.800	10589.896	NORDEGG MBR	NORD
3240.000	10629.922	SCHOOLER CREEK GRP	SCH CK
3310.100	10859.909	SPRAY RIVER GRP	SPRY R
3591.500	11783.137	BELLOY FM	BELL
3614.900	11859.908	KISKATINAW FM	KISK
3660.600	12009.843	DEBOLT FM	DBLT

Site ID: 101077 Source ID: 00/07-07-065-04W6/0

Latitude: 54.607958 Well Length: 3124.000
Longitude: 118.586096
KB Elevation: 909.400 Status: Capped Gaswell

Well Name: DOME MURPHY KAKWA 7-7-65-4

Depth Meters	Depth Feet	Horizon Name	
1206.000	3956.693	WAPIABI FM	WPBI
1336.300	4384.187	COLORADO GRP	COLO
1417.500	4650.591	BADHEART FM	BADH
1479.000	4852.362	CARDIUM FM	CARD
1493.500	4899.935	CARDIUM SD	CARD SD
1514.800	4969.816	KASKAPAU FM	KPAU
1626.500	5336.286	SECOND WHITE SPECKLED S	H2WS
1900.800	6236.221	DUNVEGAN FM	DUNV
1956.000	6417.323	SHAFTESBURY FM	SHFT
2079.500	6822.507	BASE FISH SCALES ZONE	BFSC
2161.000	7089.895	PADDY MBR	PADY
2172.400	7127.296	CADOTTE MBR	CDOT
2192.000	7191.601	HARMON MBR	HARM
2217.600	7275.591	SPIRIT RIVER FM	SPRT R
2505.200	8219.160	BLUESKY FM	BLSK
2521.500	8272.638	GETHING FM	GETH
2636.300	8649.278	CADOMIN FM	CADM
2643.000	8671.260	NIKANASSIN FM	NIKA
2700.200	8858.924	FERNIE GRP	FERN
2776.000	9107.612	NORDEGG MBR	NORD
2797.400	9177.821	CHARLIE LAKE FM	CH LK
2862.000	9389.764	MONTNEY FM	MONT
3074.300	10086.286	BELLOY FM	BELL
3092.300	10145.342	GOLATA FM	GOLA
3101.000	10173.885	DEBOLT FM	DBLT

Site ID: 101078 Source ID: 00/03-16-065-04W6/0

Latitude: 54.621583 Well Length: 2684.000
Longitude: 118.545126
KB Elevation: 867.100 Status: Abandoned Well

Well Name: DOME ET AL NEWAND 3-16-65-4

Depth Meters	Depth Feet	Horizon Name	
1115.000	3658.137	WAPIABI FM	WPBI
1343.000	4406.168	BADHEART FM	BADH
1405.500	4611.221	CARDIUM FM	CARD
1415.000	4642.389	CARDIUM SD	CARD SD
1434.000	4704.725	KASKAPAU FM	KPAU
1810.000	5938.320	DUNVEGAN FM	DUNV
1905.000	6250.000	SHAFTESBURY FM	SHFT
1989.000	6525.591	BASE FISH SCALES ZONE	BFSC
2077.500	6815.945	PADDY MBR	PADY
2093.000	6866.798	CADOTTE MBR	CDOT
2103.000	6899.606	HARMON MBR	HARM
2128.000	6981.627	SPIRIT RIVER FM	SPRT R
2413.000	7916.667	BLUESKY FM	BLSK
2439.000	8001.969	GETHING FM	GETH
2542.500	8341.536	CADOMIN FM	CADM
2552.000	8372.704	NIKANASSIN FM	NIKA
2597.000	8520.342	FERNIE GRP	FERN

Site ID: 152871 Source ID: 02/03-16-065-04W6/0

Latitude: 54.621221 Well Length: 1800.000
Longitude: 118.544664
KB Elevation: 868.800 Status: Abandoned Well

Well Name: DOME ET AL AM NEWAND 3-16WS-65-4

Depth Meters	Depth Feet	Horizon Name	
1194.000	3917.323	WAPIABI FM	WPBI
1214.000	3982.940	CHINOOK MBR	CHNK
1252.000	4107.612	COLORADO GRP	COLO
1343.000	4406.168	BADHEART FM	BADH
1352.500	4437.336	MUSKIKI FM	MSKK
1393.000	4570.210	CARDIUM FM	CARD
1414.000	4639.108	CARDIUM SD	CARD SD
1432.000	4698.163	KASKAPAU FM	KPAU
1781.000	5843.176	DOE CREEK MBR	DOE CK

Site ID: 101079 Source ID: 00/06-32-065-04W6/0

Latitude: 54.666164 Well Length: 2522.000
Longitude: 118.570585
KB Elevation: 780.300 Status: Abandoned Well

Well Name: FOREST ET AL GOLD CREEK 6-32-65-4

Depth Meters	Depth Feet	Horizon Name	
1011.000	3316.929	WAPIABI FM	WPBI
1130.500	3708.990	COLORADO GRP	COLO
1211.300	3974.082	BADHEART FM	BADH
1267.500	4158.465	CARDIUM FM	CARD
1282.000	4206.037	CARDIUM SD	CARD SD
1299.000	4261.811	KASKAPAU FM	KPAU
1670.000	5479.003	DUNVEGAN FM	DUNV
1763.000	5784.121	SHAFTESBURY FM	SHFT
1854.000	6082.677	BASE FISH SCALES ZONE	BFSC
1940.000	6364.830	PADDY MBR	PADY
1950.000	6397.638	CADOTTE MBR	CDOT
1973.000	6473.097	HARMON MBR	HARM
1998.000	6555.118	SPIRIT RIVER FM	SPRT R
2284.700	7495.735	BLUESKY FM	BLSK
2302.000	7552.494	GETHING FM	GETH
2420.500	7941.273	CADOMIN FM	CADM
2427.000	7962.599	NIKANASSIN FM	NIKA
2475.500	8121.719	FERNIE GRP	FERN

Site ID: 101081 Source ID: 00/06-04-065-05W6/0

Latitude: 54.593613 Well Length: 3144.000
Longitude: 118.696720
KB Elevation: 831.100 Status: Capped Gaswell

Well Name: PEMBINA ET AL MUSREAULK 6-4-65-5

Depth Meters	Depth Feet	Horizon Name	
1145.000	3756.562	WAPIABI FM	WPBI
1277.000	4189.633	COLORADO GRP	COLO
1361.500	4466.864	BADHEART FM	BADH
1420.000	4658.793	CARDIUM FM	CARD
1445.500	4742.454	CARDIUM SD	CARD SD
1462.000	4796.588	KASKAPAU FM	KPAU
1671.500	5483.924	SECOND WHITE SPECKLED S	H2WS
1883.500	6179.462	DUNVEGAN FM	DUNV
1976.000	6482.940	SHAFTESBURY FM	SHFT
2062.200	6765.748	BASE FISH SCALES ZONE	BFSC
2151.000	7057.087	PADDY MBR	PADY
2163.500	7098.097	CADOTTE MBR	CDOT
2181.800	7158.137	HARMON MBR	HARM
2211.000	7253.937	SPIRIT RIVER FM	SPRT R
2268.000	7440.945	FALHER MBR	FALH
2504.000	8215.224	BLUESKY FM	BLSK
2520.800	8270.342	GETHING FM	GETH
2635.700	8647.310	CADOMIN FM	CADM
2645.000	8677.822	NIKANASSIN FM	NIKA
2719.200	8921.260	FERNIE GRP	FERN
2795.200	9170.604	NORDEGG MBR	NORD
2817.300	9243.110	CHARLIE LAKE FM	CH LK
2886.700	9470.801	MONTNEY FM	MONT
3108.700	10199.147	BELLOY FM	BELL

Site ID: 152872 Source ID: 00/10-05-065-05W6/0

Latitude: 54.598966 Well Length: 1445.000
Longitude: 118.711458
KB Elevation: 794.300 Status: Abandoned Well

Well Name: CDNOXY ET AL NEWAND 10-5-65-5

Depth Meters	Depth Feet	Horizon Name	
1134.500	3722.113	WAPIABI FM	WPBI
1166.000	3825.459	CHINOOK MBR	CHNK
1188.500	3899.278	COLORADO GRP	COLO
1325.000	4347.113	BADHEART FM	BADH
1340.000	4396.326	MUSKIKI FM	MSKK
1385.000	4543.963	CARDIUM FM	CARD
1405.000	4609.580	CARDIUM SD	CARD SD
1422.000	4665.354	KASKAPAU FM	KPAU
1445.000	4740.814	TOTAL DEPTH	TD

Site ID: 101082 Source ID: 00/05-12-065-05W6/0

Latitude: 54.607128 Well Length: 2698.000
Longitude: 118.623149
KB Elevation: 841.200 Status: Suspended Well

Well Name: CANHUNTER ET AL NEWAND 5-12-65-5

Depth Meters	Depth Feet	Horizon Name	
1352.000	4435.696	BADHEART FM	BADH
1413.000	4635.827	CARDIUM FM	CARD
1427.000	4681.759	CARDIUM SD	CARD SD
1450.000	4757.218	KASKAPAU FM	KPAU
1851.000	6072.835	DUNVEGAN FM	DUNV
1928.000	6325.459	SHAFTESBURY FM	SHFT
2014.000	6607.612	BASE FISH SCALES ZONE	BFSC
2104.000	6902.887	PADDY MBR	PADY
2114.000	6935.696	CADOTTE MBR	CDOT
2134.000	7001.313	HARMON MBR	HARM
2159.000	7083.333	SPIRIT RIVER FM	SPRT R
2454.000	8051.181	BLUESKY FM	BLSK
2462.000	8077.428	GETHING FM	GETH
2576.000	8451.443	CADOMIN FM	CADM
2588.000	8490.813	NIKANASSIN FM	NIKA

Site ID: 152873 Source ID: 00/08-16-065-05W6/0

Latitude: 54.622147 Well Length: 1395.000
Longitude: 118.683930
KB Elevation: 784.500 Status: Abandoned Well

Well Name: CDNOXY ET AL NEWAND 8-16-65-5

Depth Meters	Depth Feet	Horizon Name	
1071.500	3515.420	WAPIABI FM	WPBI
1119.000	3671.260	CHINOOK MBR	CHNK
1144.000	3753.281	COLORADO GRP	COLO
1279.500	4197.835	BADHEART FM	BADH
1291.300	4236.549	MUSKIKI FM	MSKK
1334.000	4376.641	CARDIUM SD	CARD SD
1374.500	4509.515	KASIKAPAU FM	KPAU
1393.000	4570.210	TOTAL DEPTH	TD

Site ID: 146888 Source ID: 00/09-19-065-05W6/0

Latitude: 54.642499 Well Length: 1427.000
Longitude: 118.735564
KB Elevation: 842.000 Status: Abandoned Well

Well Name: PEMBINA ET AL NEWAND 9-19-65-5

Depth Meters	Depth Feet	Horizon Name	
1104.000	3622.047	WAPIABI FM	WPBI
1155.200	3790.026	CHINOOK MBR	CHNK
1179.000	3868.110	COLORADO GRP	COLO
1313.500	4309.383	BADHEART FM	BADH
1327.500	4355.315	MUSKIKI FM	MSKK
1367.500	4486.549	CARDIUM FM	CARD
1390.000	4560.368	CARDIUM SD	CARD SD
1411.500	4630.906	KASKAPAU FM	KPAU
1424.400	4673.229	TOTAL DEPTH	TD

Site ID: 152874 Source ID: 00/01-20-065-05W6/0

Latitude: 54.635996 Well Length: 1407.000
Longitude: 118.708276
KB Elevation: 788.600 Staatus: Abandoned Well

Well Name: PEMBINA ET AL NEWAND 1-20-65-5

Depth Meters	Depth Feet	Horizon Name	
1055.700	3463.583	WAPIABI FM	WPBI
1111.000	3645.013	CHINOOK MBR	CHNK
1134.800	3723.097	COLORADO GRP	COLO
1219.500	4000.984	BADHEART FM	BADH
1231.000	4038.714	MUSKIKI FM	MSKK
1322.800	4339.896	CARDIUM SD	CARD SD
1362.800	4471.129	KASKAPAU FM	KPAU
1404.000	4606.299	TOTAL DEPTH	TD

Site ID: 101083 Source ID: 00/11-20-065-05W6/0

Latitude: 54.642387 Well Length: 2706.000
Longitude: 118.721486
KB Elevation: 816.800 Status: Pumping Oilwell

Well Name: PEMBINA ET AL MUSREAU 11-20-65-5

Depth Meters	Depth Feet	Horizon Name	
1080.500	3544.948	WAPIABI FM	WPBI
1293.000	4242.126	BADHEART FM	BADH
1348.000	4422.572	CARDIUM FM	CARD
1369.000	4491.470	CARDIUM SD	CARD SD
1392.000	4566.929	KASKAPAU FM	KPAU
1803.000	5915.354	DUNVEGAN FM	DUNV
1905.000	6250.000	SHAFTESBURY FM	SHFT
1990.500	6530.512	BASE FISH SCALES ZONE	BFSC
2082.000	6830.709	PEACE RIVER FM	PR
2115.000	6938.977	HARMON MBR	HARM
2141.000	7024.278	SPIRIT RIVER FM	SPRT R
2437.000	7995.407	GETHING FM	GETH
2568.000	8425.197	CADOMIN FM	CADM
2577.000	8454.725	NIKANASSIN FM	NIKA
2647.500	8686.023	FERNIE GRP	FERN

Site ID: [illegible] Well ID: 00/10-23-065-05W6/0

Latitude:
Longitude:
KB Elevatic

Well Length: 2552.000

Status: Capped Gaswell

Well Name [illegible] ET AL GOLD CREEK 10-23-65-

Depth Meters	Horizon Name	
1065.200	WAPIABI FM	WPBI
1191.800	COLORADO GRP	COLO
1273.500	BADHEART FM	BADH
1336.500	CARDIUM FM	CARD
1349.000	CARDIUM SD	CARD SD
1367.000	KASKAPAU FM	KPAU
1762.200	DUNVEGAN FM	DUNV
1873.500	SHAFTESBURY FM	SHFT
1944.200	BASE FISH SCALES ZONE	BFSC
2027.700	PADDY MBR	PADY
2038.500	CADOTTE MBR	CDOT
2052.000	JOLI FOU FM	JOLI
2086.000	SPIRIT RIVER FM	SPRT R
2125.500	FALHER MBR	FALH
2373.000	BLUESKY FM	BLSK
2383.000	GETHING FM	GETH
2511.000	CADOMIN FM	CADM
2523.500	NIKANASSIN FM	NIKA

Site ID: 152876 Source ID: 00/03-29-065-05W6/0

Latitude: 54.650626 Well Length: 1450.000
Longitude: 118.722604
KB Elevation: 848.200 Status: Abandoned Well

Well Name: PEMBINA ET AL NEWAND 3-29-65-5

Depth Meters	Depth Feet	Horizon Name	
1110.500	3643.373	WAPIABI FM	WPBI
1184.500	3886.155	COLORADO GRP	COLO
1316.000	4317.585	BADHEART FM	BADH
1329.000	4360.236	MUSKIKI FM	MSKK
1372.800	4503.938	CARDIUM FM	CARD
1392.000	4566.929	CARDIUM SD	CARD SD
1416.000	4645.669	KASKAPAU FM	KPAU
1448.000	4750.656	TOTAL DEPTH	TD

Site ID: 141573 Source ID: 00/02-30-065-05W6/0

Latitude: 54.650365 Well Length: 446.000
Longitude: 118.736243
KB Elevation: 861.800 Status: Pumping Oilwell

Well Name: PEMBINA ET AL NEWAND 2-30-65-5

Depth Meters	Depth Feet	Horizon Name	
1123.500	3686.024	WAPIABI FM	WPBI
1196.000	3923.885	COLORADO GRP	COLO
1329.000	4360.236	BADHEART FM	BADH
1383.000	4537.402	CARDIUM FM	CARD
1405.000	4609.580	CARDIUM SD	CARD SD
1423.500	4670.276	KASKAPAU FM	KPAU
1440.000	4724.410	TOTAL DEPTH	TD

Site ID: 146889 Source ID: 00/12-30-065-05W6/0

Latitude: 54.656871 Well Length: 1460.000
Longitude: 118.751457
KB Elevation: 880.700 Status: Pumping Oilwell

Well Name: PEMBINA ET AL NEWAND 12-30-65-5

Depth Meters	Depth Feet	Horizon Name	
1132.200	3714.567	WAPIABI FM	WPBI
1186.000	3891.076	CHINOOK MBR	CHNK
1208.400	3964.567	COLORADO GRP	COLO
1342.000	4402.887	BADHEART FM	BADH
1353.000	4438.977	MUSKIKI FM	MSKK
1393.600	4572.179	CARDIUM FM	CARD
1415.000	4642.389	CARDIUM SD	CARD SD
1437.000	4714.567	KASKAPAU FM	KPAU
1457.800	4782.809	TOTAL DEPTH	TD

Site ID: 101085 Source ID: 00/10-35-065-05W6/0

Latitude: 54.670211 Well Length: 2500.000
Longitude: 118.636496
KB Elevation: 777.600 Status: Suspended Well

Well Name: CANHUNTER ET AL NEWAND 10-35-65-5

Depth Meters	Depth Feet	Horizon Name	
1018.200	3340.551	WAPIABI FM	WPBI
1137.000	3730.315	COLORADO GRP	COLO
1216.200	3990.157	BADHEART FM	BADH
1276.300	4187.336	CARDIUM FM	CARD
1289.800	4231.627	CARDIUM SD	CARD SD
1310.000	4297.900	KASKAPAU FM	KPAU
1699.000	5574.147	DUNVEGAN FM	DUNV
1785.200	5856.956	SHAFTESBURY FM	SHFT
1879.100	6165.026	BASE FISH SCALES ZONE	BFSC
1965.600	6448.819	PADDY MBR	PADY
1975.000	6479.659	CADOTTE MBR	CDOT
1997.500	6553.478	HARMON MBR	HARM
2020.800	6629.922	SPIRIT RIVER FM	SPRT R
2082.700	6833.005	FALHER MBR	FALH
2306.800	7568.242	BLUESKY FM	BLSK
2322.000	7618.110	GETHING FM	GETH
2442.000	8011.812	CADOMIN FM	CADM
2452.300	8045.604	NIKANASSIN FM	NIKA

Site ID: 141574 Source ID: 00/08-01-065-06W6/0

Latitude: 54.593547 Well Length: 1480.000
Longitude: 118.758722
KB Elevation: 805.500 Status: Suspended Well

Well Name: PEMBINA ET AL BILBO 8-1-65-6

Depth Meters	Depth Feet	Horizon Name	
1167.500	3830.381	WAPIABI FM	WPBI
1194.000	3917.323	CHINOOK MBR	CHNK
1266.000	4153.543	COLORADO GRP	COLO
1359.000	4458.662	BADHEART FM	BADH
1370.000	4494.751	MUSKIKI FM	MSKK
1414.000	4639.108	CARDIUM FM	CARD
1435.500	4709.646	CARDIUM SD	CARD SD
1456.500	4778.543	KASKAPAU FM	KPAU
1480.000	4855.643	TOTAL DEPTH	TD

Site ID: 101086 Source ID: 00/12-05-065-06W6/0

Latitude: 54.596600 Well Length: 2916.000
Longitude: 118.875480
KB Elevation: 978.900 Status: Flowing Gaswell

Well Name: CANHUNTER ET AL BILBO 12-5-65-6

Depth Meters	Depth Feet	Horizon Name	
1294.000	4245.407	WAPIABI FM	WPBI
1432.000	4698.163	COLORADO GRP	COLO
1521.500	4991.798	BADHEART FM	BADH
1578.000	5177.166	CARDIUM FM	CARD
1606.500	5270.669	CARDIUM SD	CARD SD
1620.500	5316.601	KASKAPAU FM	KPAU
2128.000	6981.627	DUNVEGAN FM	DUNV
2203.500	7229.331	SHAFTESBURY FM	SHFT
2287.000	7503.281	BASE FISH SCALES ZONE	BFSC
2384.500	7823.163	PADDY MBR	PADY
2399.500	7872.375	CADOTTE MBR	CDOT
2424.000	7952.756	HARMON MBR	HARM
2449.700	8037.074	NOTIKEWIN MBR	NOTI
2514.000	8248.032	FALHER A	FALHER A
2700.000	8858.268	WILRICH MBR	WILR
2750.000	9022.310	BLUESKY FM	BLSK
2769.000	9084.646	GETHING FM	GETH
2888.000	9475.066	CADOMIN FM	CADM
2897.000	9504.594	NIKANASSIN FM	NIKA

Site ID: 101087 Source ID: 00/06-07-065-06W6/0

Latitude: 54.607314 Well Length: 3472.600
Longitude: 118.898945
KB Elevation: 979.900 Status: Capped Gaswell

Well Name: AMOCO ET AL NEWAND 6-7-65-6

Depth Meters	Depth Feet	Horizon Name	
1281.500	4204.396	WAPIABI FM	WPBI
1421.500	4663.714	COLORADO GRP	COLO
1512.500	4962.271	BADHEART FM	BADH
1577.500	5175.525	CARDIUM FM	CARD
1597.000	5239.501	CARDIUM SD	CARD SD
1609.800	5281.497	KASKAPAU FM	KPAU
2132.000	6994.751	DUNVEGAN FM	DUNV
2200.000	7217.848	SHAFTESBURY FM	SHFT
2282.500	7488.517	BASE FISH SCALES ZONE	BFSC
2380.000	7808.399	PADDY MBR	PADY
2393.000	7851.050	CADOTTE MBR	CDOT
2419.000	7936.352	HARMON MBR	HARM
2445.000	8021.654	SPIRIT RIVER FM	SPRT R
2747.500	9014.107	GETHING FM	GETH
2875.500	9434.056	CADOMIN FM	CADM
2886.000	9468.504	NIKANASSIN FM	NIKA
3007.500	9867.126	FERNIE GRP	FERN
3077.500	10096.785	NORDEGG MBR	NORD
3100.000	10170.604	CHARLIE LAKE FM	CH LK
3164.000	10380.578	HALFWAY FM	HFWY
3166.500	10388.780	DOIG FM	DOIG
3220.000	10564.305	MONTNEY FM	MONT
3425.500	11238.518	BELLOY FM	BELL

Site ID: 146890 Source ID: 00/07-11-065-06W6/0

Latitude: 54.608456 Well Length: 1582.000
Longitude: 118.789103
KB Elevation: 926.300 Status: Pumping Oilwell

Well Name: PEMBINA ET AL BILBO 7-11-65-6

Depth Meters	Depth Feet	Horizon Name	
1233.800	4047.901	WAPIABI FM	WPBI
1298.000	4258.530	CHINOOK MBR	CHNK
1318.500	4325.788	COLORADO GRP	COLO
1458.500	4785.105	BADHEART FM	BADH
1473.200	4833.333	MUSKIKI FM	MSKK
1516.200	4974.410	CARDIUM FM	CARD
1538.500	5047.572	CARDIUM SD	CARD SD
1559.000	5114.830	KASKAPAU FM	KPAU
1579.100	5180.774	TOTAL DEPTH	TD

Site ID: 101088 Source ID: 00/10-11-065-06W6/0

Latitude: 54.613327 Well Length: 2880.000
Longitude: 118.788127
KB Elevation: 914.000 Status: Abandoned Well

Well Name: AMOCO ET AL STEEP CREEK 10-11-65-6

Depth Meters	Depth Feet	Horizon Name	
1227.800	4028.216	WAPIABI FM	WPBI
1352.000	4435.696	COLORADO GRP	COLO
1441.500	4729.331	BADHEART FM	BADH
1490.500	4890.092	CARDIUM FM	CARD
1517.100	4977.362	CARDIUM SD	CARD SD
1538.500	5047.572	KASKAPAU FM	KPAU
1970.000	6463.255	DUNVEGAN FM	DUNV
2077.500	6815.945	SHAFTESBURY FM	SHFT
2159.000	7083.333	BASE FISH SCALES ZONE	BFSC
2249.200	7379.265	PADDY MBR	PADY
2261.000	7417.979	CADOTTE MBR	CDOT
2286.000	7500.000	HARMON MBR	HARM
2310.600	7580.709	SPIRIT RIVER FM	SPRT R
2617.000	8585.958	BLUESKY FM	BLSK
2630.900	8631.562	GETHING FM	GETH
2746.500	9010.827	CADOMIN FM	CADM
2755.000	9038.714	NIKANASSIN FM	NIKA
2842.000	9324.147	FERNIE GRP	FERN

Site ID: 101089 Source ID: 00/10-11-065-06W6/2

Latitude: 54.613327 Well Length: 3378.200
Longitude: 118.788127
KB Elevation: 914.000 Status: Abandoned & Reentered Well

Well Name: AMOCO ET AL STEEP CREEK 10-11-65-6

Depth Meters	Depth Feet	Horizon Name	
1227.800	4028.216	WAPIABI FM	WPBI
1352.000	4435.696	COLORADO GRP	COLO
1441.500	4729.331	BADHEART FM	BADH
1490.500	4890.092	CARDIUM FM	CARD
1519.100	4983.924	CARDIUM SD	CARD SD
1538.500	5047.572	KASKAPAU FM	KPAU
1970.000	6463.255	DUNVEGAN FM	DUNV
2071.500	6796.260	SHAFTESBURY FM	SHFT
2159.000	7083.333	BASE FISH SCALES ZONE	BFSC
2249.200	7379.265	PADDY MBR	PADY
2261.000	7417.979	CADOTTE MBR	CDOT
2286.000	7500.000	HARMON MBR	HARM
2310.600	7580.709	SPIRIT RIVER FM	SPRT R
2617.000	8585.958	BLUESKY FM	BLSK
2630.900	8631.562	GETHING FM	GETH
2746.500	9010.827	CADOMIN FM	CADM
2755.000	9038.714	NIKANASSIN FM	NIKA
2842.000	9324.147	FERNIE GRP	FERN
2917.500	9571.851	NORDEGG MBR	NORD
2941.000	9648.950	CHARLIE LAKE FM	CH LK
2994.000	9822.835	HALFWAY FM	HFWY
2997.500	9834.318	DOIG FM	DOIG
3042.000	9980.315	MONTNEY FM	MONT
3243.000	10639.764	BELLOY FM	BELL
3257.000	10685.696	TAYLOR FLAT FM	TALR FLAT
3277.000	10751.313	KISKATINAW FM	KISK
3325.000	10908.793	DEBOLT FM	DBLT

Site ID: 141575 Source ID: 00/10-11-065-06W6/3

Latitude: 54.613327 Well Length: 3378.200
Longitude: 118.788127
KB Elevation: 914.000 Status: Pumping Oilwell

Well Name: PEMBINA ET AL BILBO 10-11-65-6

Depth Meters	Depth Feet	Horizon Name	
1340.500	4397.966	COLORADO GRP	COLO
1441.000	4727.690	BADHEART FM	BADH
1454.000	4770.341	MUSKIKI FM	MSKK
1494.000	4901.575	CARDIUM FM	CARD
1517.300	4978.019	CARDIUM SD	CARD SD
1538.500	5047.572	KASKAPAU FM	KPAU
3378.200	11083.334	TOTAL DEPTH	TD

Site ID: 141576 Source ID: 00/13-11-065-06W6/0

Latitude: 54.614907 Well Length: 1605.000
Longitude: 118.799966
KB Elevation: 955.100 Status: Pumping Oilwell

Well Name: PEMBINA ET AL BILBO 13-11-65-6

Depth Meters	Depth Feet	Horizon Name	
1269.800	4166.011	WAPIABI FM	WPBI
1320.000	4330.709	CHINOOK MBR	CHNK
1394.000	4573.491	COLORADO GRP	COLO
1476.000	4842.520	BADHEART FM	BADH
1496.500	4909.777	MUSKIKI FM	MSKK
1543.000	5062.336	CARDIUM FM	CARD
1564.800	5133.858	CARDIUM SD	CARD SD
1575.000	5167.323	KASKAPAU FM	KPAU
1605.000	5265.748	TOTAL DEPTH	TD

Site ID: 152878 S -12-065-06W6/0

Latitude: 54.60805 1502.000
Longitude: 118.77357
KB Elevation: 849.40 Pumping Oilwell

Well Name: PEMBINA -12-65-6

Depth Meters	Depth Feet	Name	
1159.000	3802.4	BI FM	WPBI
1218.200	3996.7	OK MBR	CHNK
1241.300	4072.5	ADO GRP	COLO
1383.000	4537.4	ART FM	BADH
1395.500	4578.4	KI FM	MSKK
1437.500	4716.2	UM FM	CARD
1460.800	4792.6	UM SD	CARD SD
1498.000	4914.6	DEPTH	TD

Site ID: 146891 Source ID: 00/02-15-065-06W6/0

Latitude: 54.621218 Well Length: 1584.000
Longitude: 118.813883
KB Elevation: 946.600 Status: Pumping Oilwell

Well Name: PEMBINA ET AL BILBO 2-15-65-6

Depth Meters	Depth Feet	Horizon Name	
1208.000	3963.255	WAPIABI FM	WPBI
1297.500	4256.890	CHINOOK MBR	CHNK
1320.000	4330.709	COLORADO GRP	COLO
1462.700	4798.884	BADHEART FM	BADH
1474.500	4837.599	MUSKIKI FM	MSKK
1516.100	4974.082	CARDIUM FM	CARD
1544.500	5067.257	CARDIUM SD	CARD SD
1558.200	5112.205	KASKAPAU FM	KPAU
1584.000	5196.851	TOTAL DEPTH	TD

Site ID: 152879 Source ID: 00/11-15-065-06W6/0

Latitude: 54.627456 Well Length: 1610.000
Longitude: 118.824232
KB Elevation: 976.500 Status: Flowing Oilwell

Well Name: CANHUNTER ET AL BILBO 11-15-65-6

Depth Meters	Depth Feet	Horizon Name	
1247.500	4092.848	WAPIABI FM	WPBI
1318.500	4325.788	CHINOOK MBR	CHNK
1339.500	4394.685	COLORADO GRP	COLO
1480.800	4858.268	BADHEART FM	BADH
1493.000	4898.294	MUSKIKI FM	MSKK
1534.200	5033.464	CARDIUM FM	CARD
1559.800	5117.455	CARDIUM SD	CARD SD
1577.000	5173.885	KASKAPAU FM	KPAU
1605.700	5268.044	TOTAL DEPTH	TD

Site ID: 101090 Source ID: 00/10-17-065-06W6/0

Latitude: 54.627965 Well Length: 3115.000
Longitude: 118.863519
KB Elevation: 942.700 Status: Capped Gaswell

Well Name: WESTCOAST ET AL STEEPCK 10-17-65-6

Depth Meters	Depth Feet	Horizon Name	
1230.200	4036.089	WAPIABI FM	WPBI
1359.500	4460.302	COLORADO GRP	COLO
1435.000	4708.005	BADHEART FM	BADH
1496.800	4910.761	CARDIUM FM	CARD
1526.300	5007.546	CARDIUM SD	CARD SD
1541.500	5057.415	KASKAPAU FM	KPAU
1993.200	6539.370	DUNVEGAN FM	DUNV
2095.200	6874.016	SHAFTESBURY FM	SHFT
2186.200	7172.572	BASE FISH SCALES ZONE	BFSC
2284.700	7495.735	PADDY MBR	PADY
2302.100	7552.822	CADOTTE MBR	CDOT
2321.600	7616.798	HARMON MBR	HARM
2349.000	7706.693	SPIRIT RIVER FM	SPRT R
2653.300	8705.053	BLUESKY FM	BLSK
2663.500	8738.518	GETHING FM	GETH
2777.000	9110.893	CADOMIN FM	CADM
2784.200	9134.515	NIKANASSIN FM	NIKA
2889.800	9480.972	FERNIE GRP	FERN
2967.200	9734.908	NORDEGG MBR	NORD
2985.400	9794.619	CHARLIE LAKE FM	CH LK
3099.000	10167.323	MONTNEY FM	MONT

Site ID: 141577 Source ID: 00/03-20-065-06W6/0

Latitude: 54.634723 Well Length: 1585.000
Longitude: 118.872515
KB Elevation: 980.100 Status: Pumping Oilwell

Well Name: DOME ET AL BILBO 3-20-65-6

Depth Meters	Depth Feet	Horizon Name	
1233.500	4046.916	WAPIABI FM	WPBI
1309.000	4294.620	CHINOOK MBR	CHNK
1463.500	4801.509	BADHEART FM	BADH
1484.000	4868.767	MUSKIKI FM	MSKK
1529.000	5016.404	CARDIUM FM	CARD
1553.000	5095.145	CARDIUM SD	CARD SD
1567.000	5141.076	KASKAPAU FM	KPAU
1585.000	5200.131	TOTAL DEPTH	TD

Site ID: 152880 Source ID: 00/02-21-065-06W6/0

Latitude: 54.635662 Well Length: 1588.000
Longitude: 118.839253
KB Elevation: 963.000 Status: Flowing Oilwell

Well Name: CANHUNTER ET AL BILBO 2-21-65-6

Depth Meters	Depth Feet	Horizon Name	
1240.000	4068.242	WAPIABI FM	WPBI
1291.200	4236.220	CHINOOK MBR	CHNK
1312.000	4304.462	COLORADO GRP	COLO
1450.500	4758.858	BADHEART FM	BADH
1464.000	4803.150	MUSKIKI FM	MSKK
1507.500	4945.866	CARDIUM FM	CARD
1532.500	5027.887	CARDIUM SD	CARD SD
1549.000	5082.021	KASKAPAU FM	KPAU
1588.000	5209.974	TOTAL DEPTH	TD

Site ID: 152881 Source ID: 00/12-21-065-06W6/0

Latitude: 54.642058 Well Length: 1583.000
Longitude: 118.850115
KB Elevation: 968.700 Status: Flowing Oilwell

Well Name: CANHUNTER BILBO 12-21-65-6

Depth Meters	Depth Feet	Horizon Name	
1236.500	4056.759	WAPIABI FM	WPBI
1286.500	4220.801	CHINOOK MBR	CHNK
1307.000	4288.058	COLORADO GRP	COLO
1439.000	4721.129	BADHEART FM	BADH
1458.000	4783.465	MUSKIKI FM	MSKK
1501.000	4924.541	CARDIUM FM	CARD
1525.000	5003.281	CARDIUM SD	CARD SD
1545.000	5068.898	KASKAPAU FM	KPAU
1583.000	5193.570	TOTAL DEPTH	TD

Site ID: 101091 Source ID: 00/11-22-065-06W6/0

Latitude: 54.642143 Well Length: 1480.000
Longitude: 118.822209
KB Elevation: 879.800 Status: Abandoned Well

Well Name: CANHUNTER BILBO 11-22-65-6

Depth Meters	Depth Feet	Horizon Name	
1146.200	3760.499	WAPIABI FM	WPBI
1201.200	3940.945	CHINOOK MBR	CHNK
1278.000	4192.914	COLORADO GRP	COLO
1364.000	4475.066	BADHEART FM	BADH
1417.400	4650.263	CARDIUM FM	CARD
1438.800	4720.473	CARDIUM SD	CARD SD
1457.000	4780.184	KASKAPAU FM	KPAU
1480.000	4855.643	TOTAL DEPTH	TD

Site ID: 101092 ource ID: 00/11-26-065-06W6/0

Latitude: 54.657082 Well Length: 2828.000
Longitude: 118.797566
KB Elevation: 939.700 Status: Capped Gaswell

Well Name: AMOCO ET AL STEEP CREEK 11-26-65-6

Depth Meters	Depth Feet	Horizon Name	
1203.100	3947.178	WAPIABI FM	WPBI
1408.300	4620.407	BADHEART FM	BADH
1461.500	4794.948	CARDIUM FM	CARD
1488.000	4881.890	CARDIUM SD	CARD SD
1504.500	4936.024	KASKAPAU FM	KPAU
1935.500	6350.066	DUNVEGAN FM	DUNV
2033.700	6672.244	SHAFTESBURY FM	SHFT
2125.000	6971.785	BASE FISH SCALES ZONE	BFSC
2219.000	7280.184	PADDY MBR	PADY
2234.200	7330.053	CADOTTE MBR	CDOT
2256.800	7404.200	HARMON MBR	HARM
2310.000	7578.740	SPIRIT RIVER FM	SPRT R
2587.000	8487.533	BLUESKY FM	BLSK
2611.500	8567.914	GETHING FM	GETH
2714.800	8906.824	CADOMIN FM	CADM
2727.000	8946.851	NIKANASSIN FM	NIKA
2805.000	9202.756	FERNIE GRP	FERN

Site ID: 101093 Source ID: 00/05-30-065-06W6/0

Latitude: 54.651340 Well Length: 3472.000
Longitude: 118.900251
KB Elevation: 999.800 Status: Capped Gaswell

Well Name: AMOCO ET AL STEEP 5-30-65-6

Depth Meters	Depth Feet	Horizon Name	
1261.000	4137.139	WAPIABI FM	WPBI
1467.600	4814.961	BADHEART FM	BADH
1530.000	5019.685	CARDIUM FM	CARD
1553.000	5095.145	CARDIUM SD	CARD SD
1570.000	5150.919	KASKAPAU FM	KPAU
2022.500	6635.499	DUNVEGAN FM	DUNV
2120.000	6955.381	SHAFTESBURY FM	SHFT
2220.000	7283.465	BASE FISH SCALES ZONE	BFSC
2322.500	7619.751	PADDY MBR	PADY
2337.000	7667.323	CADOTTE MBR	CDOT
2358.000	7736.221	HARMON MBR	HARM
2385.000	7824.803	SPIRIT RIVER FM	SPRT R
2682.500	8800.854	BLUESKY FM	BLSK
2702.000	8864.830	GETHING FM	GETH
2810.000	9219.160	CADOMIN FM	CADM
2822.500	9260.171	NIKANASSIN FM	NIKA
2940.000	9645.670	FERNIE GRP	FERN
3008.000	9868.767	NORDEGG MBR	NORD
3030.000	9940.945	CHARLIE LAKE FM	CH LK
3094.000	10150.919	HALFWAY FM	HFWY
3099.000	10167.323	DOIG FM	DOIG
3147.500	10326.444	MONTNEY FM	MONT
3355.000	11007.218	BELLOY FM	BELL
3370.000	11056.431	TAYLOR FLAT FM	TALR FLAT
3386.500	11110.564	KISKATINAW FM	KISK
3426.000	11240.158	GOLATA FM	GOLA
3431.000	11256.563	DEBOLT FM	DBLT

Site ID: 101094 Source ID: 00/10-34-065-06W6/0

Latitude: 54.671230 Well Length: 3290.000
Longitude: 118.811851
KB Elevation: 908.000 Status: Capped Gaswell

Well Name: AMOCO ET AL NEWAND 10-34-65-6

Depth Meters	Depth Feet	Horizon Name	
1159.000	3802.494	WAPIABI FM	WPBI
1190.000	3904.200	CHINOOK MBR	CHNK
1364.000	4475.066	BADHEART FM	BADH
1414.500	4640.748	CARDIUM FM	CARD
1441.000	4727.690	CARDIUM SD	CARD SD
1463.000	4799.869	KASKAPAU FM	KPAU
1887.000	6190.945	DUNVEGAN FM	DUNV
1991.500	6533.793	SHAFTESBURY FM	SHFT
2081.500	6829.068	BASE FISH SCALES ZONE	BFSC
2177.500	7144.029	PADDY MBR	PADY
2191.000	7188.320	CADOTTE MBR	CDOT
2213.000	7260.499	HARMON MBR	HARM
2237.000	7339.239	SPIRIT RIVER FM	SPRT R
2536.000	8320.210	BLUESKY FM	BLSK
2557.000	8389.107	GETHING FM	GETH
2666.500	8748.359	CADOMIN FM	CADM
2678.000	8786.090	NIKANASSIN FM	NIKA
2781.000	9124.016	FERNIE GRP	FERN
2836.500	9306.103	NORDEGG MBR	NORD
2858.000	9376.641	CHARLIE LAKE FM	CH LK
2901.500	9519.357	HALFWAY FM	HFWY
2912.000	9553.806	DOIG FM	DOIG
2965.000	9727.690	MONTNEY FM	MONT
3170.500	10401.903	BELLOY FM	BELL
3196.500	10487.205	TAYLOR FLAT FM	TALR FLAT
3213.500	10542.979	KISKATINAW FM	KISK
3240.000	10629.922	GOLATA FM	GOLA
3245.000	10646.326	DEBOLT FM	DBLT

Site ID: 152882 Source ID: 00/10-34-065-06W6/2

Latitude: 54.671230 Well Length: 3290.000
Longitude: 118.811851
KB Elevation: 908.000 Status: Capped Gaswell

Well Name: AMOCO ET AL NEWAND 10-34-65-6

Depth Meters	Depth Feet	Horizon Name	
1159.000	3802.494	WAPIABI FM	WPBI
1190.000	3904.200	CHINOOK MBR	CHNK
1364.000	4475.066	BADHEART FM	BADH
1414.500	4640.748	CARDIUM FM	CARD
1441.000	4727.690	CARDIUM SD	CARD SD
1463.000	4799.869	KASKAPAU FM	KPAU
1887.000	6190.945	DUNVEGAN FM	DUNV
1991.500	6533.793	SHAFTESBURY FM	SHFT
2081.500	6829.068	BASE FISH SCALES ZONE	BFSC
2177.500	7144.029	PADDY MBR	PADY
2191.000	7188.320	CADOTTE MBR	CDOT
2213.000	7260.499	HARMON MBR	HARM
2237.000	7339.239	SPIRIT RIVER FM	SPRT R
2536.000	8320.210	BLUESKY FM	BLSK
2557.000	8389.107	GETHING FM	GETH
2666.500	8748.359	CADOMIN FM	CADM
2678.000	8786.090	NIKANASSIN FM	NIKA
2781.000	9124.016	FERNIE GRP	FERN
2836.500	9306.103	NORDEGG MBR	NORD
2858.000	9376.641	CHARLIE LAKE FM	CH LK
2901.500	9519.357	HALFWAY FM	HFWY
2912.000	9553.806	DOIG FM	DOIG
2965.000	9727.690	MONTNEY FM	MONT
3170.500	10401.903	BELLOY FM	BELL
3196.500	10487.205	TAYLOR FLAT FM	TALR FLAT
3213.500	10542.979	KISKATINAW FM	KISK
3240.000	10629.922	GOLATA FM	GOLA
3245.000	10646.326	DEBOLT FM	DBLT

Site ID: 101096 Source ID: 00/10-11-065-07W6/0

Latitude: 54.613327 Well Length: 1706.900
Longitude: 118.939415
KB Elevation: 1017.400 Status: Abandoned Well

Well Name: AMOCO D-1 STEEP 10-11-65-7

Depth Meters	Depth Feet	Horizon Name	
1325.000	4347.113	WAPIABI FM	WPBI
1550.800	5087.927	BADHEART FM	BADH
1613.300	5292.979	CARDIUM FM	CARD
1642.000	5387.139	CARDIUM SD	CARD SD

X

Site ID: 101097 Source ID: 00/10-21-065-07W6/0

Latitude: 54.640497 Well Length: 2810.000
Longitude: 118.989984
KB Elevation: 1065.100 Status: Flowing Gaswell

Well Name: CANHUNTER ET AL STEEP 10-21-65-7

Depth Meters	Depth Feet	Horizon Name	
1402.500	4601.378	WAPIABI FM	WPBI
1576.000	5170.604	BADHEART FM	BADH
1632.000	5354.331	CARDIUM FM	CARD
1658.000	5439.633	CARDIUM SD	CARD SD
1689.000	5541.339	KASKAPAU FM	KPAU
2145.000	7037.402	DUNVEGAN FM	DUNV
2252.500	7390.092	SHAFTESBURY FM	SHFT
2353.000	7719.816	BASE FISH SCALES ZONE	BFSC
2454.000	8051.181	PADDY MBR	PADY
2470.000	8103.675	CADOTTE MBR	CDOT
2491.000	8172.572	HARMON MBR	HARM
2523.000	8277.560	NOTIKEWIN MBR	NOTI
2546.700	8355.315	FALHER MBR	FALH

ce ID: 00/07-26-065-07W6/0

Well Length: 3005.000

Status: Capped Gaswell

AL STEEP CREEK 7-26-65-7

Horizon Name	
WAPIABI FM	WPBI
COLORADO GRP	COLO
BADHEART FM	BADH
CARDIUM FM	CARD
CARDIUM SD	CARD SD
KASKAPAU FM	KPAU
DUNVEGAN FM	DUNV
SHAFTESBURY FM	SHFT
BASE FISH SCALES ZONE	BFSC
PADDY MBR	PADY
CADOTTE MBR	CDOT
HARMON MBR	HARM
SPIRIT RIVER FM	SPRT R
BLUESKY FM	BLSK
GETHING FM	GETH
CADOMIN FM	CADM
NIKANASSIN FM	NIKA
FERNIE GRP	FERN

Site ID: 102429 Source ID: 00/11-07-066-04W6/0

Latitude: 54.700774 Well Length: 2300.000
Longitude: 118.595752
KB Elevation: 797.500 Status: Flowing Gaswell

Well Name: CANHUNTER ET AL NEWAND 11-7-66-4

Depth Meters	Depth Feet	Horizon Name	
995.200	3265.092	WAPIABI FM	WPBI
1193.000	3914.042	BADHEART FM	BADH
1240.000	4068.242	CARDIUM FM	CARD
1262.000	4140.420	CARDIUM SD	CARD SD
1279.100	4196.522	KASKAPAU FM	KPAU
1655.000	5429.790	DUNVEGAN FM	DUNV
1747.000	5731.627	SHAFTESBURY FM	SHFT
1838.000	6030.184	BASE FISH SCALES ZONE	BFSC
1923.000	6309.055	PADDY MBR	PADY
1933.000	6341.864	CADOTTE MBR	CDOT
1956.000	6417.323	HARMON MBR	HARM
1981.000	6499.344	SPIRIT RIVER FM	SPRT R
2039.000	6689.633	FALHER MBR	FALH
2271.800	7453.413	BLUESKY FM	BLSK
2289.100	7510.171	GETHING FM	GETH

Site ID: 102430 Source ID: 00/11-07-066-04W6/2

Latitude: 54.700774 Well Length: 2300.000
Longitude: 118.595752
KB Elevation: 797.500 Status: Flowing Gaswell

Well Name: CANHUNTER ET AL NEWAND 11-7-66-4

Depth Meters	Depth Feet	Horizon Name	
995.200	3265.092	WAPIABI FM	WPBI
1193.000	3914.042	BADHEART FM	BADH
1240.000	4068.242	CARDIUM FM	CARD
1262.000	4140.420	CARDIUM SD	CARD SD
1279.100	4196.522	KASKAPAU FM	KPAU
1655.000	5429.790	DUNVEGAN FM	DUNV
1747.000	5731.627	SHAFTESBURY FM	SHFT
1838.000	6030.184	BASE FISH SCALES ZONE	BFSC
1923.000	6309.055	PADDY MBR	PADY
1933.000	6341.864	CADOTTE MBR	CDOT
1956.000	6417.323	HARMON MBR	HARM
1981.000	6499.344	SPIRIT RIVER FM	SPRT R
2039.000	6689.633	FALHER MBR	FALH
2271.800	7453.413	BLUESKY FM	BLSK
2289.100	7510.171	GETHING FM	GETH

Site ID: 102433 Source ID: 00/12-17-066-0-

Latitude: 5[illegible]763 Well Length: 2465.[illegible]
Longitude: [illegible]2745
KB Elevation: [illegible]300 Status: Suspended W

Well Name: C[illegible]NTER ET AL NEWAND 12-17-6[illegible]

Depth Meters	[illegible]	Horizon Name	
1088.500	[illegible]194	WAPIABI FM	WPBI
1175.000	[illegible]987	BADHEART FM	BADH
1219.500	[illegible]964	CARDIUM FM	CARD
1241.500	[illegible]163	CARDIUM SD	CARD SD
1259.000	[illegible]578	KASKAPAU FM	KPAU
1572.000	[illegible]480	DUNVEGAN FM	DUNV
1730.000	[illegible]963	SHAFTESBURY FM	SHFT
1815.000	[illegible]725	BASE FISH SCALES ZON	BFSC
1904.000	[illegible]719	PADDY MBR	PADY
1914.000	[illegible]528	CADOTTE MBR	CDOT
1939.000	[illegible]549	HARMON MBR	HARM
1965.000	[illegible]851	NOTIKEWIN MBR	NOTI
2022.500	[illegible]499	FALHER A	FALHER A
2193.500	[illegible]522	WILRICH MBR	WILR
2244.000	[illegible]205	BLUESKY FM	BLSK
2256.000	[illegible]575	GETHING FM	GETH
2386.000	[illegible]084	CADOMIN FM	CADM
2388.100	[illegible]074	NIKANASSIN FM	NIKA
2430.000	[illegible]441	FERNIE GRP	FERN

Site ID: 102433 Source ID: 00/09-20-066-04W6/0

Latitude: 54.730345 Well Length: 4169.400
Longitude: 118.554702
KB Elevation: 826.900 Status: Abandoned Well

Well Name: ATLANTIC ET AL GOLDCK 9-20-66-4

Depth Meters	Depth Feet	Horizon Name	
1005.800	3299.869	WA[illegible]M	WPBI
1058.600	3473.097	COLC[illegible]GRP	COLO
1175.900	3857.940	BADHEART FM	BADH
1221.600	4007.874	CARDIUM FM	CARD
1414.300	4640.092	SECOND WHITE SPECKLED S	H2WS
1621.500	5319.882	DUNVEGAN FM	DUNV
1731.300	5680.119	SHAFTESBURY FM	SHFT
1814.800	5954.068	BASE FISH SCALES ZONE	BFSC
1906.500	6254.921	CADOTTE MBR	CDOT
1931.200	6335.958	HARMON MBR	HARM
1942.200	6372.047	SPIRIT RIVER FM	SPRT R
2237.200	7339.895	GETHING FM	GETH
2366.200	7763.124	CADOMIN FM	CADM
2381.700	7813.977	FERNIE GRP	FERN
2485.300	8153.872	NORDEGG MBR	NORD
2507.900	8228.019	SCHOOLER CREEK GRP	SCH CK
2525.300	8285.105	SPRAY RIVER GRP	SPRY R
2780.700	9123.031	BELLOY FM	BELL
2848.100	9344.161	DEBOLT FM	DBLT
3021.500	9913.058	SHUNDA FM	SHUN
3171.100	10403.872	PEKISKO FM	PEK
3218.700	10560.039	BANFF FM	BNFF
3426.900	11243.110	EXSHAW FM	EX
3431.400	11257.874	WABAMUN GRP	WAB
3642.400	11950.131	WINTERBURN GRP	WINT
3746.900	12292.979	WOODBEND GRP	WOOD
4042.900	13264.107	BEAVERHILL LAKE FM	BH LK
4106.900	13474.081	GRANITE WASH	GRWH

Site ID: 102434 Source ID: 00/07-28-066-04W6/0

Latitude: 54.739233 Well Length: 2492.300
Longitude: 118.535541
KB Elevation: 763.500 Status: Abandoned Well

Well Name: HUBER GOLD CREEK 7-28-66-4

Depth Meters	Depth Feet	Horizon Name	
933.300	3062.008	WAPIABI FM	WPBI
1000.000	3280.840	COLORADO GRP	COLO
1112.200	3648.950	BADHEART FM	BADH
1157.000	3795.932	CARDIUM FM	CARD
1175.700	3857.283	CARDIUM SD	CARD SD
1199.000	3933.727	KASKAPAU FM	KPAU
1549.500	5083.662	DUNVEGAN FM	DUNV
1649.000	5410.105	SHAFTESBURY FM	SHFT
1740.100	5708.990	BASE FISH SCALES ZONE	BFSC
1820.200	5971.785	PADDY MBR	PADY
1836.500	6025.263	CADOTTE MBR	CDOT
1861.800	6108.268	HARMON MBR	HARM
1885.300	6185.368	SPIRIT RIVER FM	SPRT R
2168.000	7112.861	BLUESKY FM	BLSK
2181.000	7155.512	GETHING FM	GETH
2300.500	7547.572	CADOMIN FM	CADM
2308.500	7573.819	NIKANASSIN FM	NIKA
2348.000	7703.412	FERNIE GRP	FERN
2415.000	7923.229	NORDEGG MBR	NORD
2439.000	8001.969	TRIASSIC SYSTEM	TRIA SYS

Site ID: 102437 Source ID: 00/11-01-066-05W6/0

Latitude: 54.686407 Well Length: 2508.500
Longitude: 118.620815
KB Elevation: 791.000 Status: Flowing Gaswell

Well Name: CANHUNTER ET AL GOLD CREEK 11-1-66-5

Depth Meters	Depth Feet	Horizon Name	
1006.400	3301.837	WAPIABI FM	WPBI
1209.400	3967.848	BADHEART FM	BADH
1265.800	4152.887	CARDIUM FM	CARD
1279.200	4196.851	CARDIUM SD	CARD SD
1301.200	4269.029	KASKAPAU FM	KPAU
1680.400	5513.124	DUNVEGAN FM	DUNV
1782.200	5847.113	SHAFTESBURY FM	SHFT
1865.400	6120.079	BASE FISH SCALES ZONE	BFSC
1950.700	6399.935	PADDY MBR	PADY
1961.100	6434.055	CADOTTE MBR	CDOT
1984.200	6509.843	HARMON MBR	HARM
2008.600	6589.895	SPIRIT RIVER FM	SPRT R
2296.700	7535.105	BLUESKY FM	BLSK
2315.300	7596.129	GETHING FM	GETH
2424.400	7954.068	CADOMIN FM	CADM
2441.400	8009.842	NIKANASSIN FM	NIKA
2495.100	8186.024	FERNIE GRP	FERN

Site ID: 102438 Source ID: 00/06-09-066-05W6/0

Latitude: 54.695183 Well Length: 2703.600
Longitude: 118.696786
KB Elevation: 922.900 Status: Flowing Gaswell

Well Name: CANHUNTER ET AL GOLD CREEK 6-9-66-5

Depth Meters	Depth Feet	Horizon Name	
1145.000	3756.562	WAPIABI FM	WPBI
1343.000	4406.168	BADHEART FM	BADH
1409.000	4622.704	CARDIUM FM	CARD
1421.000	4662.074	CARDIUM SD	CARD SD
1445.500	4742.454	KASKAPAU FM	KPAU
1870.500	6136.811	DUNVEGAN FM	DUNV
1944.000	6377.953	SHAFTESBURY FM	SHFT
2029.000	6656.824	BASE FISH SCALES ZONE	BFSC
2118.000	6948.819	PADDY MBR	PADY
2130.000	6988.189	CADOTTE MBR	CDOT
2156.500	7075.131	HARMON MBR	HARM
2182.500	7160.433	SPIRIT RIVER FM	SPRT R
2245.000	7365.486	FALHER MBR	FALH
2463.000	8080.709	BLUESKY FM	BLSK
2472.500	8111.877	GETHING FM	GETH
2607.000	8553.149	CADOMIN FM	CADM
2616.000	8582.678	NIKANASSIN FM	NIKA
2679.000	8789.370	FERNIE GRP	FERN

Site ID: 102439 Source ID: 00/.1-11-066-05W6/0

Latitude: 54.700678 Well Length: 2640.000
Longitude: 118.646557
KB Elevation: 903.000 Status: Flowing Gaswell

Well Name: CANHUNTER ET AL NEWAND 11-11-66-5

Depth Meters	Depth Feet	Horizon Name	
1106.000	3628.609	WAPIABI FM	WPBI
1226.500	4023.950	COLORADO GRP	COLO
1305.500	4283.137	BADHEART FM	BADH
1364.000	4475.066	CARDIUM FM	CARD
1379.000	4524.278	CARDIUM SD	CARD SD
1401.000	4596.457	KASKAPAU FM	KPAU
1785.800	5858.924	DUNVEGAN FM	DUNV
1880.200	6168.635	SHAFTESBURY FM	SHFT
1976.000	6482.940	BASE FISH SCALES ZONE	BFSC
2061.300	6762.795	PADDY MBR	PADY
2074.000	6804.462	CADOTTE MBR	CDOT
2095.600	6875.329	HARMON MBR	HARM
2120.600	6957.350	SPIRIT RIVER FM	SPRT R
2410.000	7906.824	BLUESKY FM	BLSK
2428.800	7968.504	GETHING FM	GETH
2551.000	8369.423	CADOMIN FM	CADM
2557.000	8389.107	NIKANASSIN FM	NIKA
2604.600	8545.276	FERNIE GRP	FERN

Site ID: 102440 Source ID: 00/10-26-066-05W6/0

Latitude: 54.744792 Well Length: 2382.000
Longitude: 118.636312
KB Elevation: 794.300 Status: Abandoned Well

Well Name: SUPTST ET AL GOLD CREEK 10-26-66-5

Depth Meters	Depth Feet	Horizon Name	
951.000	3120.079	WAPIABI FM	WPBI
1142.400	3748.032	BADHEART FM	BADH
1188.700	3899.934	CARDIUM FM	CARD
1210.100	3970.144	CARDIUM SD	CARD SD
1241.500	4073.163	BLACKSTONE FM	BKST
1604.500	5264.108	DUNVEGAN FM	DUNV
1692.200	5551.837	SHAFTESBURY FM	SHFT
1791.600	5877.953	BASE FISH SCALES ZONE	BFSC
1876.000	6154.856	PEACE RIVER FM	PR
1895.200	6217.848	CADOTTE MBR	CDOT
1915.400	6284.121	HARMON MBR	HARM
1937.300	6355.972	SPIRIT RIVER FM	SPRT R
2231.700	7321.851	BLUESKY FM	BLSK
2242.700	7357.940	GETHING FM	GETH
2364.900	7758.858	CADOMIN FM	CADM

Site ID: 102441 Source ID: 00/10-28-[illegible]W6/0

Latitude: 54.744359 Well Length: [illegible]000
Longitude: 118.692010
KB Elevation: 839.100 Status: Flowin[illegible]well

Well Name: SUPTST ET AL GOLD CREEK 1[illegible]5

Depth Meters	Depth Feet	Horizon Name	
997.600	3272.966	WAPIABI FM	WPBI
1197.900	3930.118	BADHEART FM	BADH
1246.000	4087.927	CARDIUM FM	CARD
1269.500	4165.026	CARDIUM SD	CARD SD
1297.200	4255.905	BLACKSTONE FM	BKST
1676.400	5500.000	DUNVEGAN FM	DUNV
1787.300	5863.846	SHAFTESBURY FM	SHFT
1862.300	6109.909	BASE FISH SCALE[illegible]E	BFSC
1948.300	6392.061	PEACE RIVER FM	PR
1969.600	6461.942	CADOTTE MBR	CDOT
1993.400	6540.026	HARMON MBR	HARM
2023.300	6638.124	SPIRIT RIVER FM	SPRT R
2308.600	7574.147	BLUESKY FM	BLSK
2314.700	7594.160	GETHING FM	GETH
2440.800	8007.875	CADOMIN FM	CADM

Site ID: 102443 Source ID: 00/06-07-066-06W6/0

Latitude: 54.695224 Well Length: 3292.000
Longitude: 118.898596
KB Elevation: 881.100 Status: Capped Gaswell

Well Name: AMOCO ET AL BIGMT 6-7-66-6

Depth Meters	Depth Feet	Horizon Name	
1102.000	3615.486	WAPIABI FM	WP3I
1301.000	4268.373	BADHEART FM	BADH
1350.000	4429.134	CARDIUM FM	CARD
1374.000	4507.874	CARDIUM SD	CARD SD
1392.000	4566.929	KASKAPAU FM	KPAU
1839.900	6036.417	DUNVEGAN FM	DUNV
1936.400	6353.019	SHAFTESBURY FM	SHFT
2039.800	6692.258	BASE FISH SCALES ZONE	BFSC
2137.000	7011.155	PADDY MBR	PADY
2153.000	7063.648	CADOTTE MBR	CDOT
2179.000	7148.950	HARMON MBR	HARM
2214.400	7265.092	SPIRIT RIVER FM	SPRT R
2495.200	8186.352	BLUESKY FM	BLSK
2516.000	8254.594	GETHING FM	GETH
2627.100	8619.095	CADOMIN FM	CADM
2636.500	8649.935	NIKANASSIN FM	NIKA
2743.200	9000.000	FERNIE GRP	FERN
2815.000	9235.564	NORDEGG MBR	NORD
2834.000	9297.900	CHARLIE LAKE FM	CH LK
2890.000	9481.628	DOIG FM	DOIG
2946.000	9665.354	MONTNEY FM	MONT
3156.000	10354.331	BELLOY FM	BELL
3175.700	10418.964	KISKATINAW FM	KISK
3248.900	10659.121	DEBOLT FM	DBLT

Site ID: 102444 Source ID: 00/06-14-066-06W6/0

Latitude: 54.710190 Well Length: 3157.000
Longitude: 118.797802
KB Elevation: 847.100 Status: Capped Gaswell

Well Name: AMOCO ET AL BIG MOUNTAIN 6-14-66-6

Depth Meters	Depth Feet	Horizon Name	
1065.000	3494.094	WAPIABI FM	WPBI
1113.000	3651.575	CHINOOK MBR	CHNK
1261.000	4137.139	BADHEART FM	BADH
1320.000	4330.709	CARDIUM FM	CARD
1335.000	4379.921	CARDIUM SD	CARD SD
1354.500	4443.898	BLACKSTONE FM	BKST
1515.000	4970.473	SECOND WHITE SPECKLED S	H2WS
1871.000	6138.452	SHAFTESBURY FM	SHFT
1964.500	6445.210	BASE FISH SCALES ZONE	BFSC
2062.500	6766.732	PADDY MBR	PADY
2075.000	6807.743	CADOTTE MBR	CDOT
2124.000	6968.504	SPIRIT RIVER FM	SPRT R
2414.000	7919.948	GETHING FM	GETH
2549.800	8365.486	CADOMIN FM	CADM
2574.700	8447.179	NIKANASSIN FM	NIKA
2627.500	8620.407	FERNIE GRP	FERN
2716.000	8910.762	NORDEGG MBR	NORD
2737.000	8979.659	TRIASSIC SYSTEM	TRIA SYS
3045.500	9991.798	BELLOY FM	BELL
3089.000	10134.515	KISKATINAW FM	KISK
3117.700	10228.675	GOLATA FM	GOLA
3127.500	10260.827	DEBOLT FM	DBLT

Site ID: 102445 Source ID: 00/12-22-066-06W6/0

Latitude: 54.728804 Well Length: 3920.900
Longitude: 118.827414
KB Elevation: 784.600 Status: Abandoned Gaswell

Well Name: BAYSEL ET AL STEEP CREEK 12-22-66-6

Depth Meters	Depth Feet	Horizon Name	
942.100	3090.879	WAPIABI FM	WPBI
1168.000	3832.021	BADHEART FM	BADH
1221.000	4005.906	CARDIUM FM	CARD
1236.000	4055.118	CARDIUM SD	CARD SD
1259.700	4132.874	BLACKSTONE FM	BKST
1670.300	5479.987	DUNVEGAN FM	DUNV
1785.500	5857.940	SHAFTESBURY FM	SHFT
1870.300	6136.155	BASE FISH SCALES ZONE	BFSC
1982.100	6502.953	CADOTTE MBR	CDOT
2004.400	6576.116	HARMON MBR	HARM
2029.100	6657.152	SPIRIT RIVER FM	SPRT R
2318.600	7606.956	BLUESKY FM	BLSK
2332.900	7653.871	GETHING FM	GETH
2455.800	8057.087	CADOMIN FM	CADM
2478.900	8132.874	NIKANASSIN FM	NIKA
2558.200	8393.045	FERNIE GRP	FERN
2615.200	8580.053	NORDEGG MBR	NORD
2635.600	8646.982	SCHOOLER CREEK GRP	SCH CK
2691.400	8830.053	DAIBER GRP	DAIB
2945.000	9662.074	BELLOY FM	BELL
3016.900	9897.966	GOLATA FM	GOLA
3021.200	9912.073	DEBOLT FM	DBLT
3226.900	10586.942	SHUNDA FM	SHUN
3313.200	10870.079	PEKISKO FM	PEK
3376.600	11078.085	BANFF FM	BNFF
3569.200	11709.974	EXSHAW FM	EX
3570.100	11712.927	WABAMUN GRP	WAB
3843.500	12609.908	WINTERBURN GRP	WINT
3882.800	12738.846	IRETON FM	IRE
3896.300	12783.137	LEDUC FM	LED

Site ID: 102446 Source ID: 00/10-26-066-06W6/0

Latitude: 54.744373 Well Length: 3135.000
Longitude: 118.788160
KB Elevation: 910.500 Status: Capped Gaswell

Well Name: AMOCO ET AL GOLD CREEK 10-26-66-6

Depth Meters	Depth Feet	Horizon Name	
1144.000	3753.281	WAPIABI FM	WPBI
1273.500	4178.150	BADHEART FM	BADH
1332.000	4370.079	CARDIUM FM	CARD
1340.500	4397.966	CARDIUM SD	CARD SD
1364.000	4475.066	KASKAPAU FM	KPAU
1770.000	5807.087	DUNVEGAN FM	DUNV
1880.500	6169.620	SHAFTESBURY FM	SHFT
1966.000	6450.131	BASE FISH SCALES ZONE	BFSC
2052.500	6733.924	PADDY MBR	PADY
2070.000	6791.339	CADOTTE MBR	CDOT
2092.000	6863.517	HARMON MBR	HARM
2114.000	6935.696	SPIRIT RIVER FM	SPRT R
2405.000	7890.420	BLUESKY FM	BLSK
2425.000	7956.037	GETHING FM	GETH
2540.500	8334.974	CADOMIN FM	CADM
2559.000	8395.670	NIKANASSIN FM	NIKA
2621.500	8600.722	FERNIE GRP	FERN
2694.500	8840.224	NORDEGG MBR	NORD
2722.000	8930.446	CHARLIE LAKE FM	CH LK
2761.000	9058.399	HALFWAY FM	HFWY
2767.500	9079.725	DOIG FM	DOIG
2812.500	9227.362	MONTNEY FM	MONT
3023.000	9917.979	BELLOY FM	BELL
3045.500	9991.798	KISKATINAW FM	KISK
3100.500	10172.244	GOLATA FM	GOLA
3109.000	10200.132	DEBOLT FM	DBLT

Site ID: 102447 Source ID: 00/10-29-066-06W6/0

Latitude: 54.744102 Well Length: 3133.300
Longitude: 118.863920
KB Elevation: 826.900 Status: Abandoned Well

Well Name: AMOCO BP B-1 BIGMT 10-29-66-6

Depth Meters	Depth Feet	Horizon Name	
974.400	3196.851	WAPIABI FM	WPBI
1015.600	3332.021	CHINOOK MBR	CHNK
1200.900	3939.961	BADHEART FM	BADH
1249.700	4100.065	CARDIUM FM	CARD
1265.500	4151.903	CARDIUM SD	CARD SD
1286.300	4220.145	BLACKSTONE FM	BKST
1464.900	4806.103	SECOND WHITE SPECKLED S	H2WS
1702.600	5585.958	DUNVEGAN FM	DUNV
1806.500	5926.837	SHAFTESBURY FM	SHFT
1903.500	6245.079	BASE FISH SCALES ZONE	BFSC
1994.900	6544.948	PADDY MBR	PADY
2016.900	6617.126	CADOTTE MBR	CDOT
2042.200	6700.131	HARMON MBR	HARM
2065.000	6774.935	SPIRIT RIVER FM	SPRT R
2362.200	7750.000	BLUESKY FM	BLSK
2384.100	7821.851	GETHING FM	GETH
2498.400	8196.851	CADOMIN FM	CADM
2508.500	8229.987	NIKANASSIN FM	NIKA
2609.100	8560.040	FERNIE GRP	FERN
2662.700	8735.893	NORDEGG MBR	NORD
2685.300	8810.040	TRIASSIC SYSTEM	TRIA SYS
2999.800	9841.864	BELLOY FM	BELL
3041.900	9979.987	KISKATINAW FM	KISK
3081.500	10109.908	GOLATA FM	GOLA
3092.800	10146.982	DEBOLT FM	DBLT

Site ID: 102449 Source ID: 00/07-09-066-07W6/0

Latitude: 54.695210 Well Length: 1559.000
Longitude: 118.988716
KB Elevation: 1020.600 Status: Abandoned Well

Well Name: WESTCOAST ET AL STEEP CREEK 7-9-66-7

Depth Meters	Depth Feet	Horizon Name	
1229.000	4032.152	WAPIABI FM	WPBI
1443.000	4734.252	BADHEART FM	BADH
1495.500	4906.496	CARDIUM FM	CARD
1518.000	4980.315	CARDIUM SD	CARD SD
1538.000	5045.932	KASKAPAU FM	KPAU
1559.000	5114.830	TOTAL DEPTH	TD

Site ID: 102450 Source ID: 00/06-10-066-07W6/0

Latitude: 54.694975 Well Length: 3372.300
Longitude: 118.974459
KB Elevation: 993.600 Status: Capped Gaswell

Well Name: WESTCOAST ET AL STEEPCK 6-10-66-7

Depth Meters	Depth Feet	Horizon Name	
1416.100	4645.998	BADHEART FM	BADH
1466.100	4810.040	CARDIUM FM	CARD
1489.900	4888.124	CARDIUM SD	CARD SD
1500.200	4921.916	BLACKSTONE FM	BKST
1924.500	6313.977	DOE CREEK MBR	DOE CK
1962.900	6439.961	DUNVEGAN FM	DUNV
2080.600	6826.116	SHAFTESBURY FM	SHFT
2182.400	7160.105	BASE FISH SCALES ZONE	BFSC
2285.400	7498.031	PADDY MBR	PADY
2304.300	7560.040	CADOTTE MBR	CDOT
2322.000	7618.110	HARMON MBR	HARM
2349.400	7708.005	SPIRIT RIVER FM	SPRT R
2397.300	7865.158	FALHER MBR	FALH
2529.800	8299.869	WILRICH MBR	WILR
2649.300	8691.930	BLUESKY FM	BLSK
2667.600	8751.969	GETHING FM	GETH
2831.000	9288.058	NIKANASSIN FM	NIKA
2895.600	9500.001	FERNIE GRP	FERN
2972.700	9752.953	NORDEGG MBR	NORD
2996.200	9830.053	TRIASSIC SYSTEM	TRIA SYS
3063.200	10049.869	HALFWAY FM	HFWY
3075.400	10089.895	DOIG FM	DOIG
3125.700	10254.922	MONTNEY FM	MONT
3323.200	10902.888	BELLOY FM	BELL

Site ID: 102455 Source ID: 00/03-26-066-07W6/0

Latitude: 54.736213 Well Length: 2913.000
Longitude: 118.947204
KB Elevation: 912.600 Status: Abandoned Well

Well Name: TRIAD PAN AM BIG MOUNTAIN 3-26-66-7

Depth Meters	Depth Feet	Horizon Name	
1081.100	3546.916	WAPIABI FM	WPBI
1106.400	3629.921	CHINOOK MBR	CHNK
1207.300	3960.958	COLORADO GRP	COLO
1285.000	4215.879	BADHEART FM	BADH
1336.500	4384.843	CARDIUM FM	CARD
1361.800	4467.848	CARDIUM SD	CARD SD
1822.700	5979.987	DUNVEGAN FM	DUNV
1923.300	6310.040	SHAFTESBURY FM	SHFT
2035.500	6678.150	BASE FISH SCALES ZONE	BFSC
2122.900	6964.895	PADDY MBR	PADY
2147.300	7044.948	CADOTTE MBR	CDOT
2188.500	7180.118	SPIRIT RIVER FM	SPRT R
2489.600	8167.979	GETHING FM	GETH
2631.600	8633.858	CADOMIN FM	CADM
2651.800	8700.132	NIKANASSIN FM	NIKA
2738.600	8984.909	FERNIE GRP	FERN
2813.300	9229.987	NORDEGG MBR	NORD
2833.100	9294.948	TRIASSIC SYSTEM	TRIA SYS

D: 102456 Source ID: 00/03-26-066-07W6/2

tude: 54.736213 Well Length: 3280.000
itude: 118.947204
Elevation: 912.600 Status: Capped Gaswell

Name: TRIAD PAN AM BIG MOUNTAIN 3-26-66-7

rs	Depth Feet	Horizon Name	
1.100	3546.916	WAPIABI FM	WPBI
1.400	3629.921	CHINOOK MBR	CHNK
1.300	3960.958	COLORADO GRP	COLO
3.000	4215.879	BADHEART FM	BADH
3.500	4384.843	CARDIUM FM	CARD
3.800	4467.848	CARDIUM SD	CARD SD
4.700	5979.987	DUNVEGAN FM	DUNV
5.300	6310.040	SHAFTESBURY FM	SHFT
5.500	6678.150	BASE FISH SCALES ZONE	BFSC
6.900	6964.895	PADDY MBR	PADY
7.300	7044.948	CADOTTE MBR	CDOT
7.500	7180.118	SPIRIT RIVER FM	SPRT R
8.600	8167.979	GETHING FM	GETH
9.600	8633.858	CADOMIN FM	CADM
9.800	8700.132	NIKANASSIN FM	NIKA
10.600	8984.909	FERNIE GRP	FERN
11.300	9229.987	NORDEGG MBR	NORD
11.100	9294.948	TRIASSIC SYSTEM	TRIA SYS
11.800	10370.079	BELLOY FM	BELL
12.000	10725.066	STODDART FM	STDT
12.100	10745.079	DEBOLT FM	DBLT

Site ID: 102457 Source ID: 00/02-28

Latitude: 54.737850 Well Length:
Longitude: 118.990866
KB Elevation: 883.500 Status: Abanc

Well Name: AMOCO ET AL STEEP 2-28-66-7

Depth Meters	Depth Feet	Horizon Name	
991.000	3251.313	WAPIABI FM	WBI
1030.000	3379.265	CHINOOK MBR	CNK
1050.000	3444.882	CHINOOK MBR	CNK
1194.000	3917.323	BADHEART FM	BDH
1250.000	4101.050	CARDIUM FM	CRD

Site ID: 102458 Source ID: 00/07-28-066-07W6/0

Latitude: 54.738907 Well Length: 2338.000
Longitude: 118.989763
KB Elevation: 882.300 Status: Gas-Test Well

Well Name: AMOCO ET AL STEEP 7-28-66-7

Depth Meters	Depth Feet	Horizon Name	
1325.000	4347.113	CARDIUM SD	CARD SD
1785.000	5856.299	DUNVEGAN FM	DUNV
2125.000	6971.785	CADOTTE MBR	CDOT
2160.000	7086.614	HARMON MBR	HARM
2190.000	7185.040	SPIRIT RIVER FM	SPRT R

Site ID: 102459 Source ID: 02/07-28-066-07W6/0

Latitude: 54.738091 Well Length: 2395.000
Longitude: 118.990663
KB Elevation: 886.100 Status: Flowing Gaswell

Well Name: AMOCO ET AL STEEP A7-28-66-7

Depth Meters	Depth Feet	Horizon Name	
1060.500	3479.331	WAPIABI FM	WPBI
1108.000	3635.171	CHINOOK MBR	CHNK
1265.000	4150.263	BADHEART FM	BADH
1320.000	4330.709	CARDIUM FM	CARD
1335.000	4379.921	CARDIUM SD	CARD SD
1348.000	4422.572	KASKAPAU FM	KPAU
1904.000	6246.719	SHAFTESBURY FM	SHFT
2011.000	6597.769	BASE FISH SCALES ZONE	BFSC
2129.000	6984.908	PADDY MBR	PADY
2138.500	7016.076	CADOTTE MBR	CDOT
2165.500	7104.659	HARMON MBR	HARM
2193.000	7194.882	NOTIKEWIN MBR	NOTI
2242.000	7355.643	FALHER MBR	FALH

Appendix 3. 83L/10 - Coal Intersections of the Coal Drillholes

CURRENT FILENAME: [COALREG.90]83L10_PX.DAT
ORIGINAL FILENAME: [COALREG.90]P83L10.DAT
MAPSHEET: NTS 83L/10

NOTE: Geology picks have been modified from the AGS Coal Database, April, 1989 version of the ERCB Coal Hole File.
See GSC Paper 88-21 (Hughes, Mudry & Nikols) for the details of criteria.

DWF 9012

SITID	CAT_ID	ORIG	M	T	R	S	TOP_DEPTH	BOT_DEPTH	THICK	SEAM	MIN	REGOLITH	PLENUM	REMARKS
1048328	364141	000005	6	64	5	17	347.500	348.020	0.520	0	0	0.000	330962	
[illegible]														
1048396	364294	000006	6	65	5	20	171.300	171.910	0.610	0	0	0.000	331325	
1048447	365213	2-77	6	66	7	9	145.080	145.790	0.710	0	0	7.000	331454	

Appendix 4, 83L/10 - Alberta Research Council - Coal Exploration Programs in the Wapiti Area

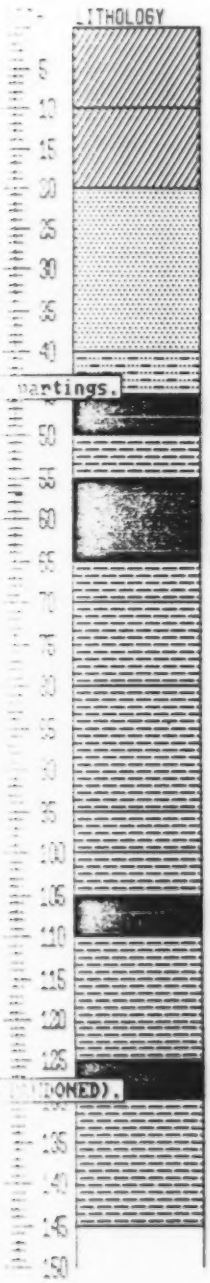
During 1966 and 1967, the Research Council of Alberta (RCA) conducted a reconnaissance coal exploration drill program in the Wapiti area. In total, 180 holes were drilled. Geological data, generated from the program, was limited to drillers' and geologists' sample descriptions, with some electrical logs (SP and Resistivity). In general, the electrical logs were of poor resolution.

Of the above 180 drillholes, 21 (including 2 'redrilled' sites) were located within the NTS mapsheet 83L/10. Drillhole strip logs, generated from the Logger software package, are available for most drillholes and are contained as part of this Appendix. Strip logs were not generated for the two drillholes, SP64-67 and SP77-67. Note that elevations, total depths and depth intervals have been presented in Imperial length (feet). Drillhole locations can be derived from the numeric string indicated on the strip log. From left to right, digit(s) position(s)

- o 1 identifies the Meridian
- o 2, 3 and 4 identify the Township
- o 5 and 6 identify the Range
- o 7 and 8 identify the Section
- o 9 and 10 identify the Legal Sub-Division (if recorded).

The coal lithology infilled on the strip log has been biased and tends to 'visually' exaggerate the actual amount of coal present; ie, if the word 'COAL' is part of the lithological description, the strip log indicates the entire interval is 'all-coal'. In reality, the actual amount of coal present may and, usually is, quite insignificant (eg,...'with a few pieces of COAL.')

HC	LOCATION	ELEVATION (in feet)	DEPTH (in feet)
SI	6063043100	3100	145



LITHOLOGY

DESCRIPTION

(0.0-10.0) CLAY: brown.

(10.0-20.0) CLAY: grey.

(20.0-40.0) SANDSTONE: light brown to creamy brown.

45'-65' c partings.

(40.0-45.0) SILTSTONE: buff, with some creamy brown sandstone.

(45.0-50.0) BENTONITE: pure white, light brown, with COAL seam.

(50.0-55.0) SHALE: light grey, bentonitic.

(55.0-60.0) SHALE: bentonitic, brown grey, with thinner COAL seam.

(60.0-65.0) SHALE: brown grey, bentonitic, with creamy white bentonite, and COAL seam.

(65.0-70.0) SHALE: brown grey, dark grey, bentonitic.

(70.0-80.0) SHALE: grey.

(80.0-95.0) SHALE: grey, dark grey, slightly carbonaceous.

(95.0-100.0) SHALE: dark brown, very carbonaceous.

(100.0-105.0) SHALE: grey, slightly bentonitic.

(105.0-110.0) SHALE: grey, with seam of COAL.

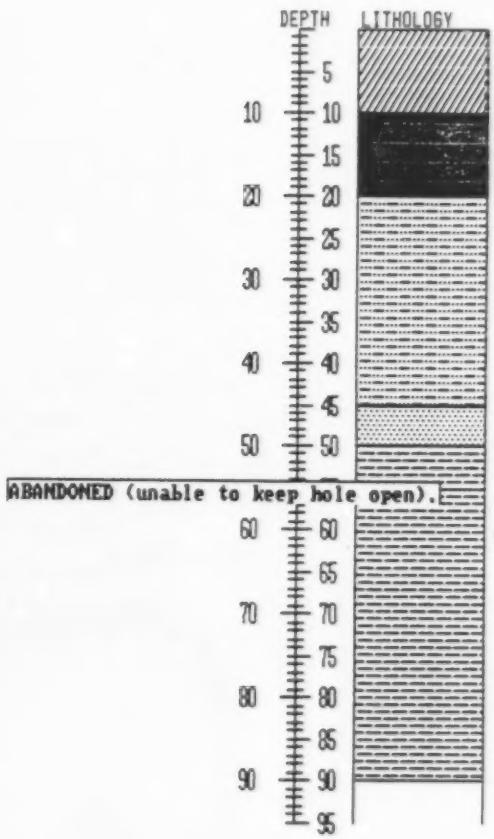
(110.0-125.0) SHALE: grey to dark grey, silty.

V. hard l (BONED).

(125.0-130.0) SHALE: dark grey, brown grey, carbonaceous, with some white grey bentonite, and thin COAL seam.

(130.0-145.0) SHALE: light grey, bentonitic, silty.

HOLE ID	LOCATION	ELEVATION (in feet)	DEPTH (in feet)
~~SP64-67~~ SP64A-67	6063073300	3150	90



DESCRIPTION

(0.0-10.0) CLAY: brown.

(10.0-20.0) SHALE: brown, grey soft, with few pieces of COAL.

(20.0-45.0) SILTSTONE: grey, and grey shale, with soft sandstone.

(45.0-50.0) SANDSTONE: grey, shattered.

(50.0-55.0) SHALE: grey, with 1

(55.0-90.0) SHALE: loose, shattered, with mixture of loose, shattered siltstone.

ABANDONED (unable to keep hole open).

HOLE ID	LOCATION	ELEVATION (in feet)	DEPTH (in feet)
~~SP77-67~~ SP77A-67	6064040400	2945	160

(0.0-10.0) SHALE: soft, light grey to brown grey, weathered.

(10.0-15.0) SHALE: soft, light grey to brown grey, weathered, with narrow seam of COAL.

(15.0-20.0) SHALE: brown grey, soft, weathered.

(20.0-25.0) SANDSTONE: very coarse, light grey.

(25.0-40.0) SANDSTONE: coarse, light grey.

(40.0-45.0) SANDSTONE: light black grey, medium to coarse.

(45.0-50.0) SANDSTONE: brown grey, medium to coarse.

(50.0-55.0) SANDSTONE: light black grey, coarse.

(55.0-60.0) SANDSTONE: brown grey, medium.

(60.0-70.0) SANDSTONE: light grey, medium.

(70.0-80.0) SANDSTONE: brown grey, medium.

(80.0-85.0) SANDSTONE: rusty orange brown, fine.

(85.0-90.0) SANDSTONE: light grey, fine.

(90.0-95.0) SANDSTONE: light rusty brown, medium.

(95.0-100.0) SANDSTONE: light grey, medium.

(100.0-105.0) SANDSTONE: rusty red brown, medium.

(105.0-110.0) SANDSTONE: rusy red brown, some black grey, medium.

(110.0-115.0) SANDSTONE: coarse, light grey.

(115.0-120.0) SHALE: grey, silty.

(120.0-125.0) SHALE: grey, dark grey, brown grey, carbonaceous, with very small trace of COAL.

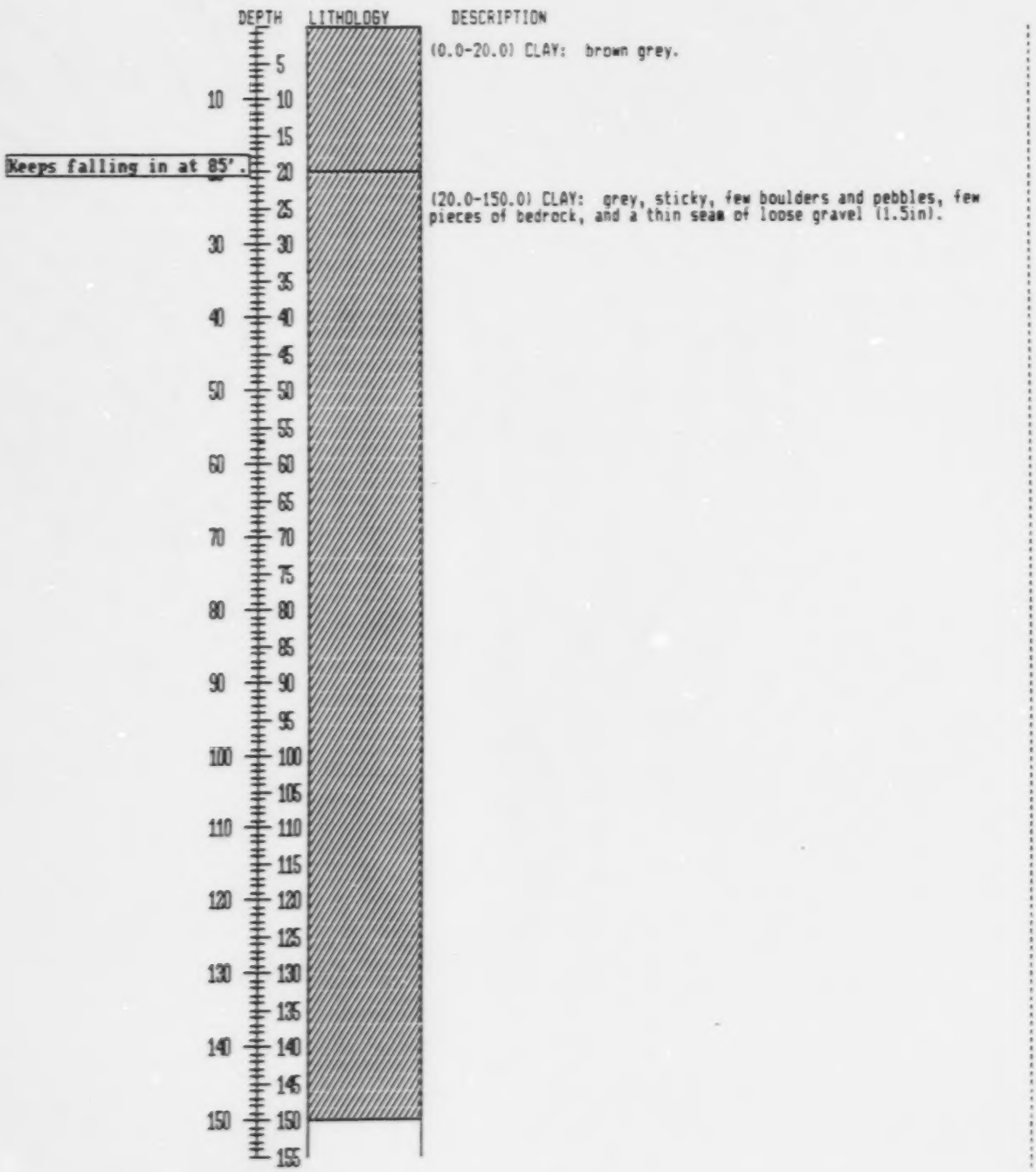
(125.0-140.0) SILTSTONE: bluish grey, fine.

(140.0-145.0) SHALE: dark green, brown green carbonaceous, with just a trace of COAL.

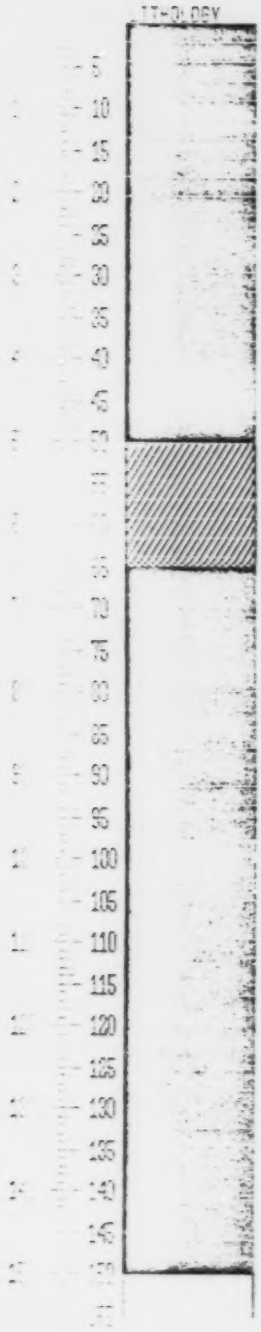
(145.0-150.0) SHALE: grey.

(150.0-160.0) SHALE: dark grey, hard ledge.

HOLE ID	LOCATION	ELEVATION (in feet)	DEPTH (in feet)
SP76-67	6064041600	2840	150



HOLE ID	LOCATION	ELEVATION (in feet)	DEPTH (in feet)
SP91-F	4064043305	2860	150



DESCRIPTION

(0.0-5.0) CLAY: brown, few pebbles, with few pieces of COAL.

(5.0-15.0) CLAY: brown grey, few pebbles, with few pieces of COAL.

(15.0-40.0) CLAY: grey, few pebbles, with few pieces of COAL.

(40.0-50.0) CLAY: grey, few pebbles, with few pieces of COAL, and large chunk of rusty brown, fine hard sandstone.

(50.0-65.0) CLAY: grey, few pebbles.

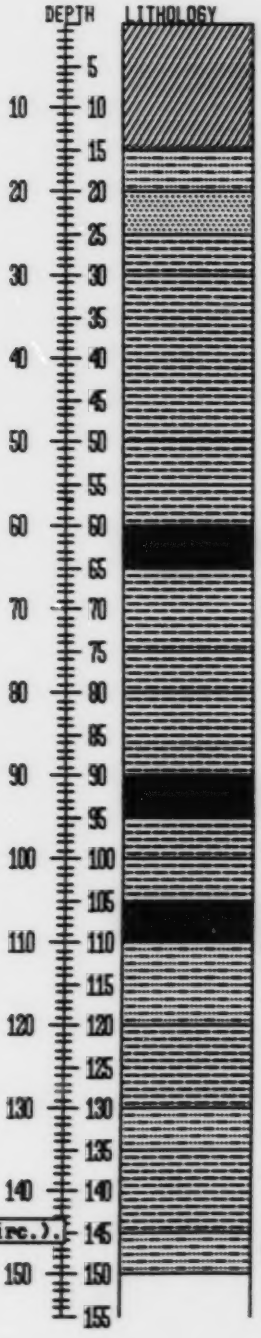
(65.0-75.0) CLAY: grey, few pebbles, with more COAL chips.

(75.0-95.0) CLAY: grey, few pebbles, with increased COAL chips.

(95.0-120.0) GRAVEL: fine, with much COAL especially at 110'-120', little clay, and some sand especially at 100'-105'.

(120.0-150.0) COAL: fine, and clay.

HOLE ID	LOCATION	ELEVATION (ir
SP73-67	6064051808	3195



(0.0-15.0) CLAY: dark brown grey

(15.0-20.0) SILTSTONE: grey.

(20.0-25.0) SANDSTONE: grey, fine

(25.0-30.0) SHALE: light grey, be

(30.0-50.0) SHALE: grey, fairly s

(50.0-55.0) SHALE: light grey, be

(55.0-60.0) SHALE: grey to dark g

(60.0-65.0) SHALE: grey, with a s

(65.0-75.0) SHALE: grey, dark gre grey, carbonaceous.

(75.0-80.0) SHALE: grey, with lec siltstone.

(80.0-90.0) SHALE: grey, silty.

(90.0-95.0) SHALE: grey, dark gre COAL.

(95.0-100.0) SHALE: grey, dark gr

(100.0-105.0) SHALE: grey, with a bentonite.

(105.0-110.0) BENTONITE: white, w bentonitic shale, thin lens of COAL, and brow shale.

(110.0-120.0) SILTSTONE: harder,

(120.0-130.0) SHALE: light grey,

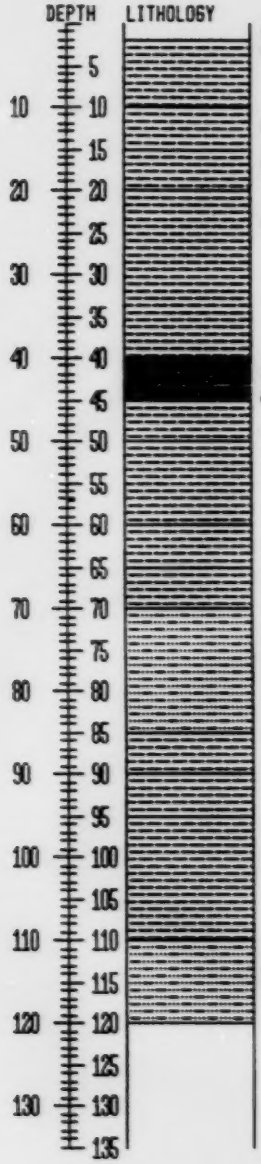
(130.0-135.0) SILTSTONE: harder,

(135.0-145.0) SHALE: grey.

BLIND (loss water circ.).

(145.0-150.0) SILTSTONE: shattere

HOLE ID	LOCATION	ELEVATION (in feet)	DEPTH (in feet)
SP74-67	6064052007	3030	130



(0.0-2.0) SOIL

(2.0-10.0) SHALE: weathered, brown.

(10.0-15.0) SHALE: soft, silty.

(15.0-20.0) SHALE: soft, silty, with band of harder grey siltstone.

(20.0-40.0) SHALE: grey.

(40.0-45.0) SHALE: grey, dark grey, slightly carbonaceous, with a very small trace of COAL.

(45.0-50.0) SHALE: greenish grey.

(50.0-60.0) SHALE: grey, silty.

(60.0-65.0) SHALE: grey to dark grey.

(65.0-70.0) SHALE: green grey.

(70.0-85.0) SILTSTONE: fine, grey, with harder ledges.

(85.0-90.0) SHALE: light grey, bentonitic.

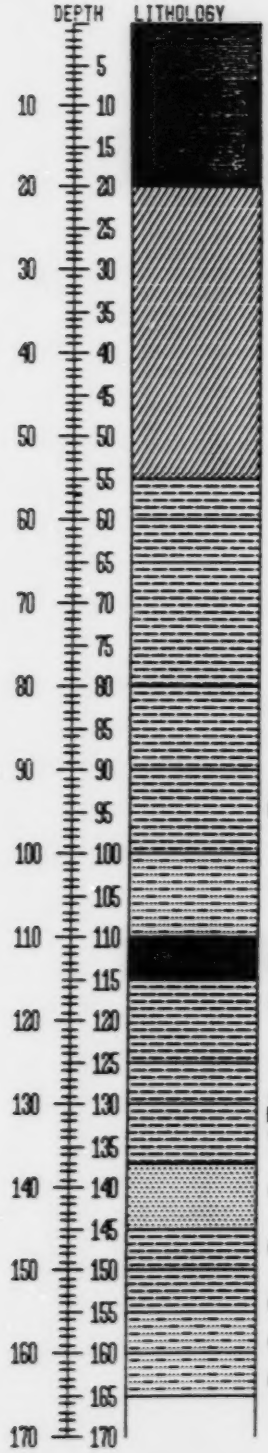
(90.0-95.0) SHALE: dark grey, carbonaceous.

(95.0-110.0) SHALE: grey, silty, with little grey siltstone.

(110.0-120.0) SILTSTONE: light brown to yellow brown, and fine sandstone.

(120.0-130.0) BLIND (loss of circulation).

HOLE ID	LOCATION	ELEVATION (in feet)	DEPTH (in feet)
SP92-67	6064052500	3000	165



DESCRIPTION

(0.0-15.0) CLAY: brown, with pebbles, few boulders, and pieces of COAL.

(15.0-20.0) CLAY: grey, pebbles, with much COAL (thick chunk 1' or 2' in till).

(20.0-55.0) CLAY: grey, sandy, large rocks, pebbles.

(55.0-60.0) SHALE: grey, silty.

(60.0-65.0) SHALE: dark grey, black, carbonaceous.

(65.0-80.0) SHALE: grey, with ledges of grey siltstone.

(80.0-90.0) SHALE: grey, silty.

(90.0-100.0) SHALE: dark grey, black, with some creamy white bentonite.

(100.0-110.0) SILTSTONE: light bluish grey, fine.

(110.0-115.0) SHALE: dark grey, grey, with trace of COAL.

(115.0-125.0) SHALE: grey, silty.

(125.0-130.0) SHALE: light grey bentonitic, black, dark grey, brown carbonaceous.

(130.0-137.0) SHALE: grey.

(137.0-145.0) SANDSTONE: light grey, salt and pepper.

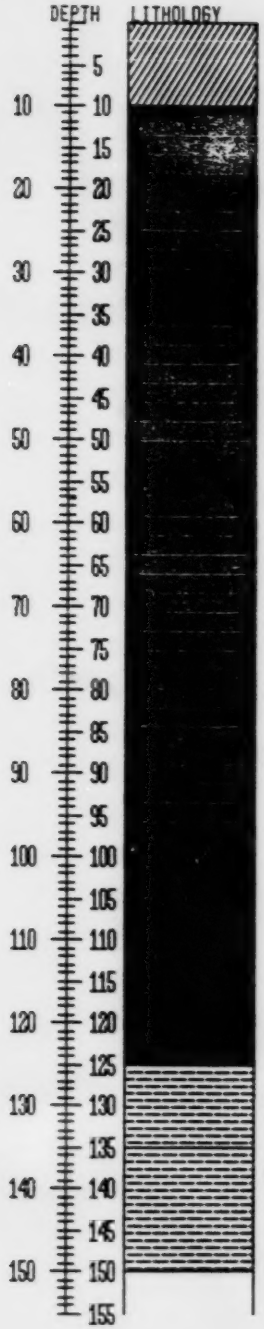
(145.0-150.0) SHALE: medium grey.

(150.0-155.0) SHALE: dark grey, brown grey, carbonaceous.

(155.0-160.0) SILTSTONE: light grey.

(160.0-165.0) SILTSTONE: light grey, with little grey sandstone.

HOLE ID	LOCATION	ELEVATION (in feet)	(in feet)
SP75-67	6064052711	3010	



DESCRIPTION

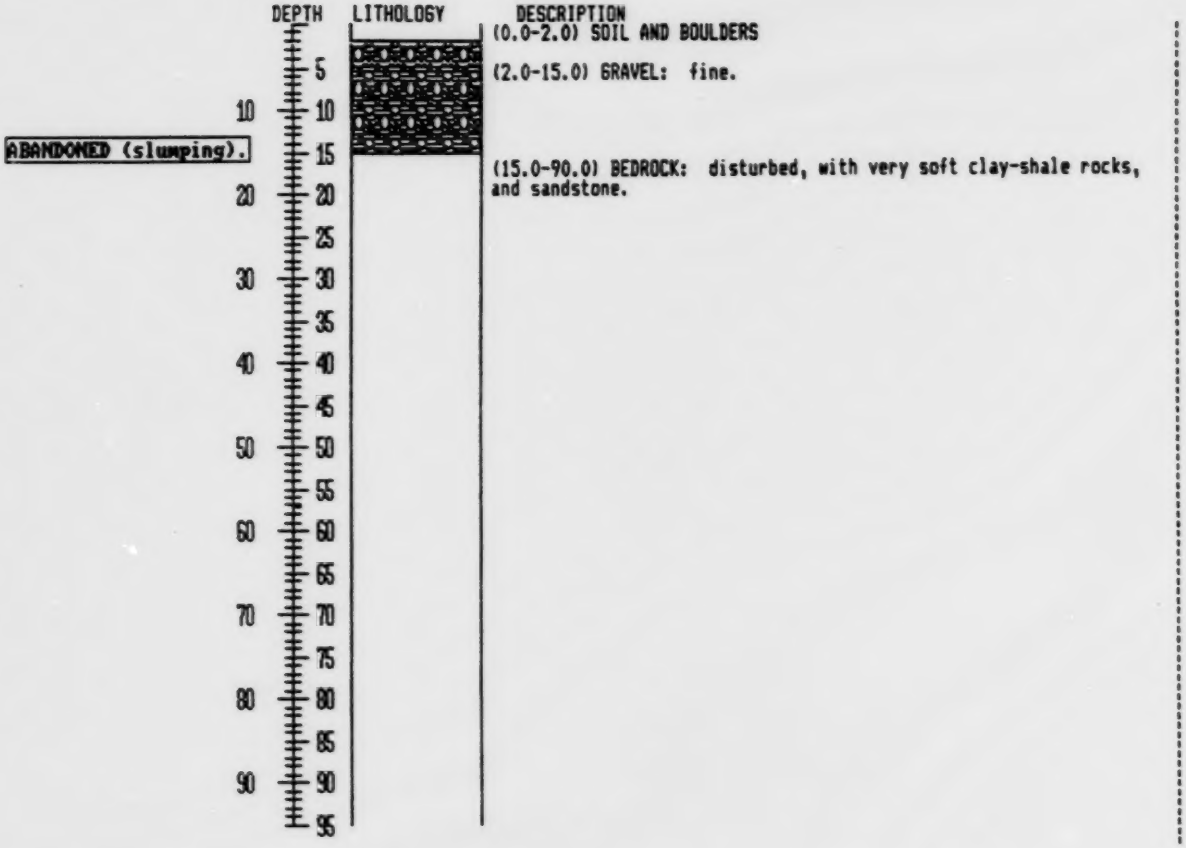
(0.0-10.0) CLAY: brown.

(10.0-125.0) CLAY: grey, very sticky, with ch... throughout, rocks, pebbles, and pieces of bedr... shale and siltstone. ...COAL ...sandstone,

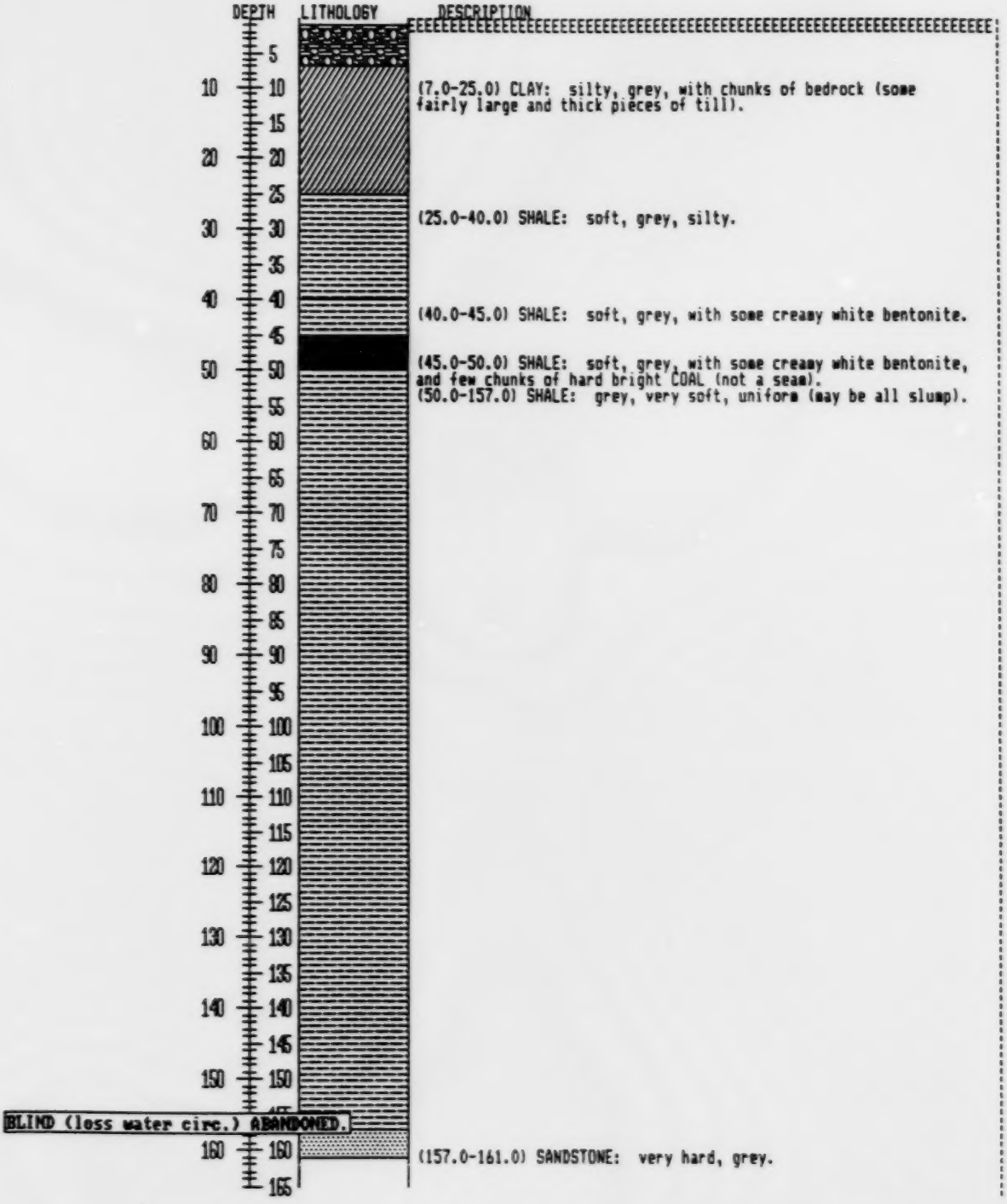
(125.0-135.0) SHALE: light grey, silty.

(135.0-150.0) SHALE: grey, silty.

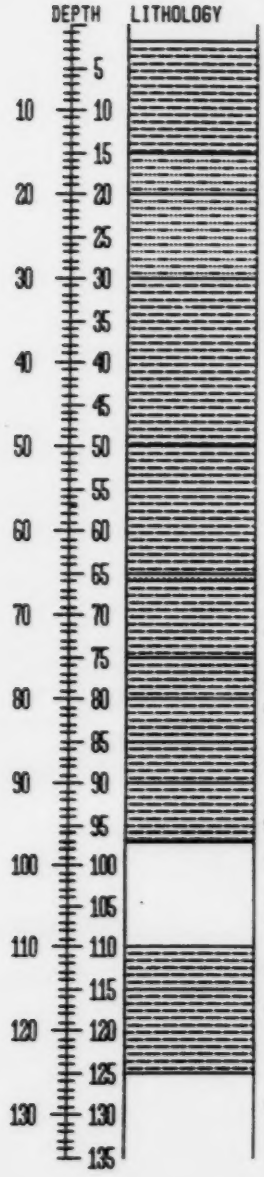
HOLE ID	LOCATION	ELEVATION (in feet)	DEPTH (in feet)
SP63-67	6064070907	2710	90



HOLE ID	LOCATION	ELEVATION (in feet)	DEPTH (in feet)
SP62-67	6064070907	2750	161


DEPTH
LITHOLOGY
DESCRIPTION
(7.0-25.0) CLAY: silty, grey, with chunks of bedrock (some fairly large and thick pieces of till).
(25.0-40.0) SHALE: soft, grey, silty.
(40.0-45.0) SHALE: soft, grey, with some creamy white bentonite.
(45.0-50.0) SHALE: soft, grey, with some creamy white bentonite, and few chunks of hard bright COAL (not a seam).
(50.0-157.0) SHALE: grey, very soft, uniform (may be all slump).
BLIND (loss water circ.) ABANDONED.
(157.0-161.0) SANDSTONE: very hard, grey.

HOLE ID	LOCATION	ELEVATION (in feet)	DEPTH (in feet)
SP61-67	6064072210	3215	130



DESCRIPTION

(0.0-2.0) SOIL

(2.0-15.0) SHALE: light brown grey, silty, soft, weathered.

(15.0-20.0) SILTSTONE: brown, weathered.

(20.0-30.0) SILTSTONE: brown, weathered, with some brown grey shale.

(30.0-50.0) SHALE: mostly grey, some greenish grey, some brown grey and dark grey carbonaceous (10%).

(50.0-55.0) SHALE: grey, and siltstone with some red brown chips.

(55.0-65.0) SHALE: grey, silty,trace of dark grey.

(65.0-66.0) SANDSTONE: fine, broken, brown grey ledge.
(66.0-75.0) SHALE: grey, trace of dark grey and brown grey carbonaceous, with traces of creamy white bentonite.

(75.0-80.0) SHALE: dark grey, brown grey, some grey carbonaceous, with some bentonite.
(80.0-85.0) SHALE: grey, silty, with some fine grey siltstone.

(85.0-90.0) SHALE: light grey, very bentonitic.

(90.0-97.0) SHALE: coarser, light grey, very bentonitic, with siltstone.

(97.0-97.0) SANDSTONE: grey, fine, hard.

(97.0-110.0) NO SAMPLES (drills like shale)

(110.0-115.0) SHALE: grey, silty.

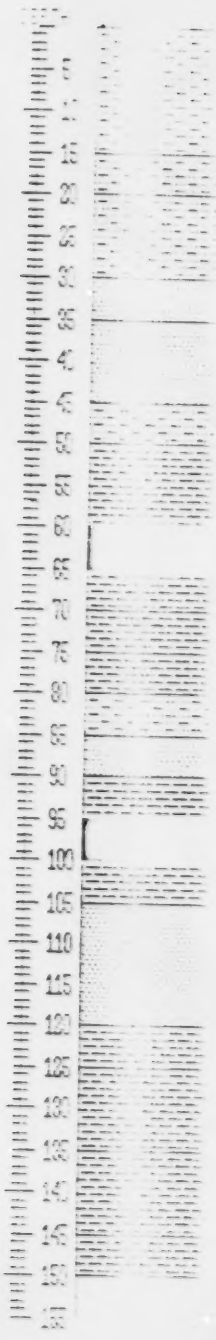
(115.0-125.0) SHALE: grey, some brown grey carbonaceous.

(125.0-130.0) NO SAMPLES (ABANDONED)

HOLE ID

SP93-67

ELEVATION (in feet)	DEPTH (in feet)
3055	150



SILTSTONE: brown to very light rusty brown, medium to

SILTSTONE: grey.

SILTSTONE: grey, brown weathered, very hard ledge at

SANDSTONE: rusty brown, fine.

SANDSTONE: loose, fine.

SILTSTONE: grey.

SHALE: grey, dark grey, slightly carbonaceous.

SHALE: dark grey, black, carbonaceous, with thin

SHALE: dark grey.

SHALE: grey, with very hard ledges of siltstone.

SHALE: medium grey.

SILTSTONE: grey, with some grey shale.

SANDSTONE: fine, grey, with siltstone interbed.

SHALE: grey, silty.

SHALE: grey, dark grey, with a seam of COAL.

SHALE: grey, silty.

SANDSTONE: fine, grey.

SHALE: dark grey, carbonaceous, with some harder

SHALE: grey, soft.

SHALE: dark grey, little black, carbonaceous.

SHALE: grey, silty.

HOLE ID		ELE [illegible] (in feet)	DEPTH (in feet)
SP95-67		30[illegible]	120

DESCRIPTION

10.0-5. [illegible] many rocks and pebbles.

15.0-12 [illegible] [illegible], with many rocks and pebbles.

(15.0-12 CLAY: [illegible] with some large pieces of siltstone and sandstone and very [illegible] COAL pieces.

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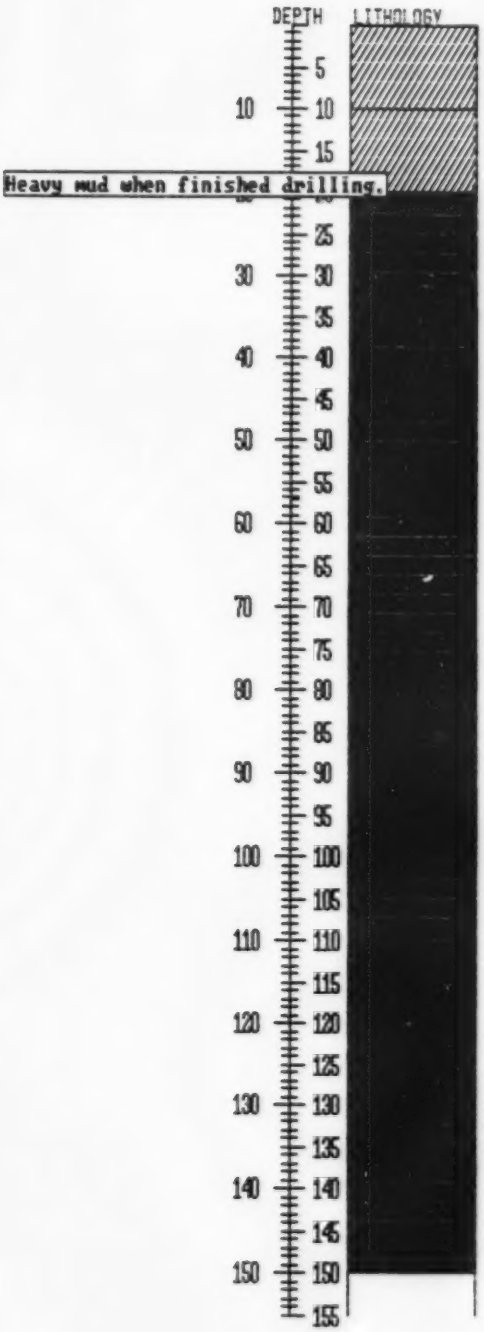
HOLE ID	LOCATION	ELEVATION (in feet)	DEPTH (in feet)
SP94-67	6065051200	2750	150



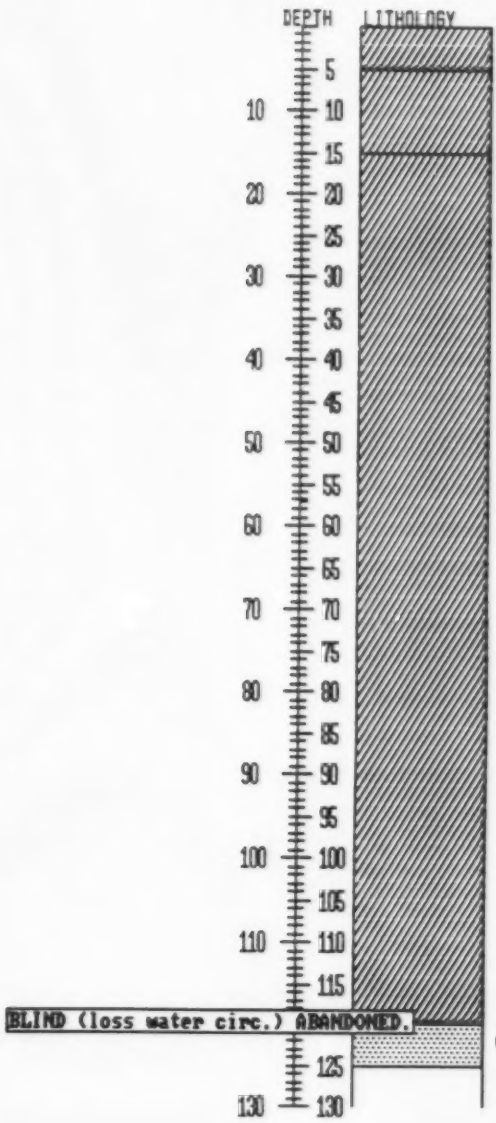
DESCRIPTION

(0.0-10.0) CLAY: brown, with pebbles, and few boulders.

(10.0-20.0) CLAY: brown grey, sandy, with pebbles.

(20.0-150.0) CLAY: grey, silty to sandy, with many very narrow seams of gravel throughout, and very few small pieces of COAL.

HOLE ID	LOCATION	ELEVATION (in feet)	DEPTH (in feet)
SP58-66	6066070402	3230	125



DESCRIPTION

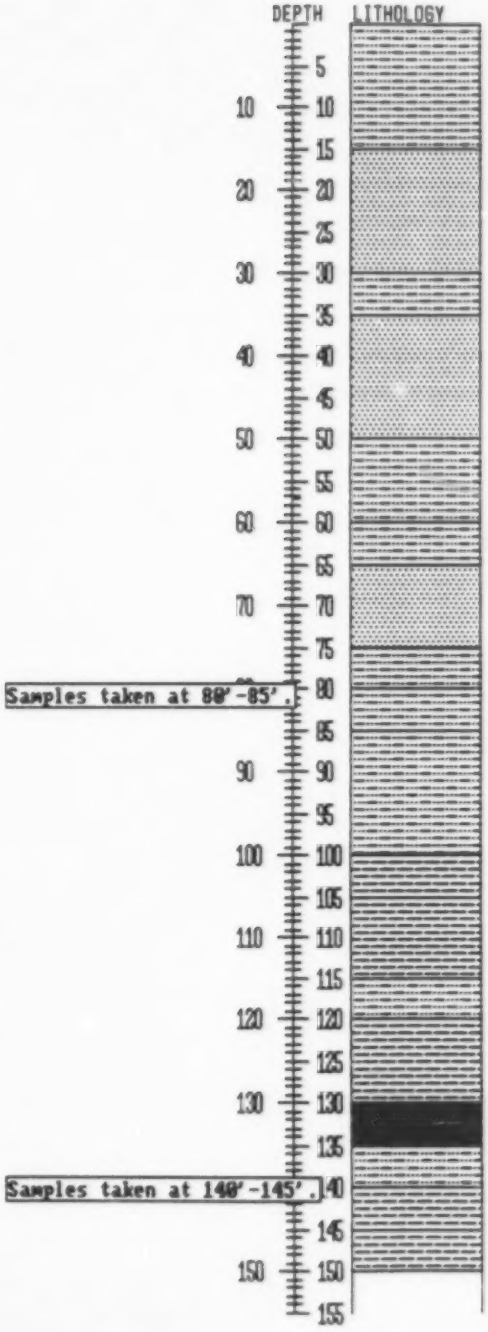
(0.0-5.0) CLAY: brown.

(5.0-15.0) CLAY: brown grey, with pebbles.

(15.0-120.0) CLAY: grey, fairly well sorted, with many pebbles and boulders.

(120.0-125.0) SANDSTONE: grey, salt and pepper.

HOLE ID	LOCATION	ELEVATION (in feet)	DEPTH (in feet)
SP57-66	6066071011	3185	150



DESCRIPTION

(0.0-15.0) SILTSTONE: buff, weathered, and shale.

(15.0-30.0) SANDSTONE: grey, fine, and siltstone, with some dark grey shale.

(30.0-35.0) SILTSTONE: buff, weathered.

(35.0-50.0) SANDSTONE: buff, weathered.

(50.0-60.0) SILTSTONE: grey.

(60.0-65.0) SILTSTONE: grey to dark grey, and silty shale.

(65.0-75.0) SANDSTONE: grey, fine, and siltstone interbed.

(75.0-80.0) SILTSTONE: coarse, grey.

(80.0-85.0) SILTSTONE: grey, dark grey, little brown grey, and shale.

(85.0-100.0) SILTSTONE: grey, hard dark grey layers.

(100.0-105.0) SHALE: grey, brown grey to dark grey, slightly carbonaceous, and siltstone.

(105.0-115.0) SHALE: grey, with little siltstone.

(115.0-120.0) SILTSTONE: very hard, grey.

(120.0-130.0) SHALE: grey.

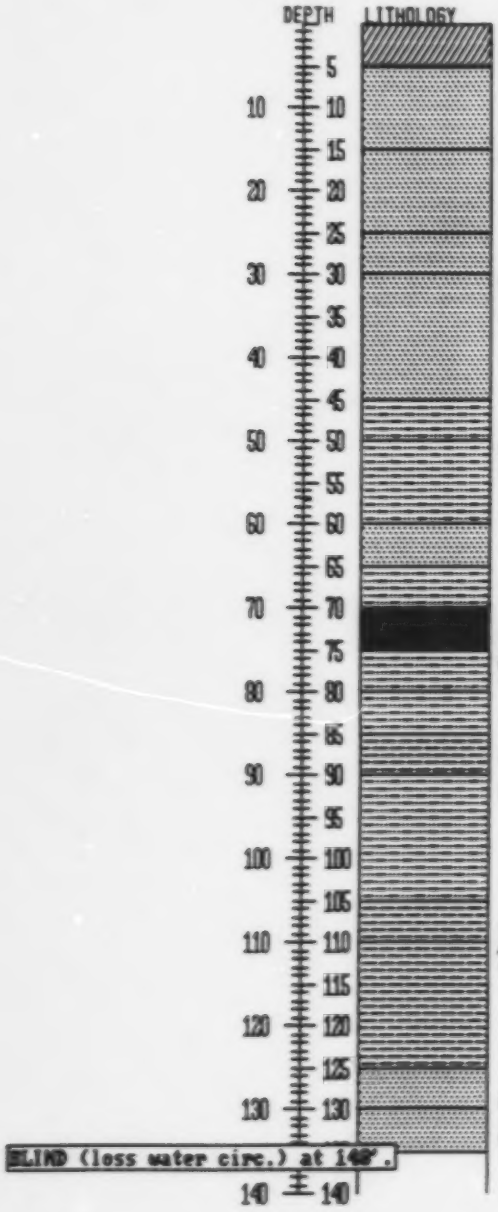
(130.0-135.0) SHALE: grey, black, with creamy white bentonite, and very small traces of soft COAL.

(135.0-140.0) SILTSTONE: grey, with hard ledge at 137'.

(140.0-145.0) SHALE: brown, brown grey, with some creamy white bentonite.

(145.0-150.0) SHALE: grey.

HOLE ID	LOCATION	ELEVATION (in feet)	DEPTH (in feet)
SP56-66	6066071500	3200	150



DESCRIPTION

(0.0-5.0) CLAY: brown grey.

(5.0-15.0) SANDSTONE: hard, fine, grey, weathered.

(15.0-25.0) SANDSTONE: fine, grey, weathered.

(25.0-30.0) SANDSTONE: fine, grey, weathered, and some dark grey, brownish grey, carbonaceous siltstone.

(30.0-45.0) SANDSTONE: fine, weathered, and buff, some grey, siltstone.

(45.0-50.0) SILTSTONE: fine, weathered, grey, brown grey, very hard.

(50.0-60.0) SILTSTONE: grey, few very dark grey layer.

(60.0-65.0) SANDSTONE: fine, well sorted, grey.

(65.0-70.0) SILTSTONE: grey, some creamy grey.

(70.0-75.0) SILTSTONE: grey, some creamy grey, some black and dark grey, with creamy white bentonite, and traces of COAL.

(75.0-80.0) SILTSTONE: grey, some brown-dark grey.

(80.0-85.0) SILTSTONE: grey.

(85.0-90.0) SHALE: grey to dark grey, silty.

(90.0-105.0) SILTSTONE: grey.

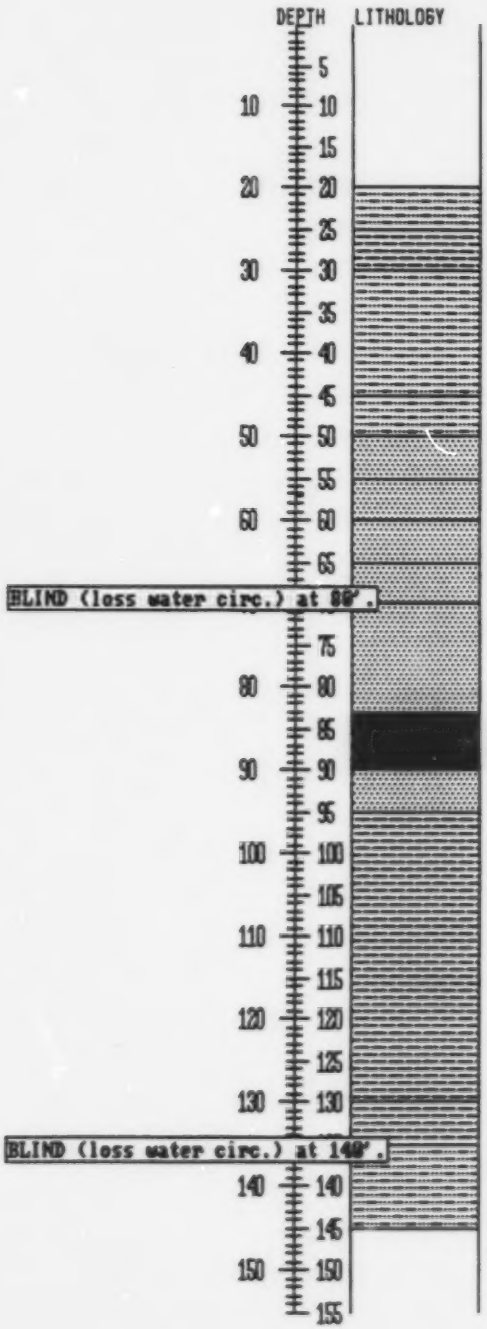
(105.0-110.0) SHALE: grey to dark grey, little chocolate brown, and siltstones interbedded.

(110.0-125.0) SHALE: grey, and siltstones interbedded.

(125.0-130.0) SANDSTONE: grey, fine.

(130.0-135.0) SANDSTONE: medium to fine, salt and pepper.

HOLE ID	LOCATION	ELEVATION (in feet)	DEPTH (in feet)
SP55-66	6066072700	2880	150


DEPTH
LITHOLOGY
DESCRIPTION
(0.0-20.0) SAND: hard, grey, brownish, fine.
(20.0-25.0) SILTSTONE: buff, weahthered.
(25.0-30.0) SHALE: brown, chocolate brown, black, with little grey siltstone, and fine sandstone.
(30.0-45.0) SILTSTONE: grey.
(45.0-50.0) SILTSTONE: grey, with some brown and dark grey carbonaceous shale.
(50.0-55.0) SANDSTONE: grey, fine to medium.
(55.0-60.0) SANDSTONE: grey, and siltstone.
(60.0-65.0) SANDSTONE: grey, fine to medium.
(65.0-70.0) SANDSTONE: brown, hard ledges.
BLIND (loss water circ.) at 88'.
(70.0-83.0) SANDSTONE: grey, and coarse siltstone interbedded.
(83.0-90.0) SHALE: chocolate brown, black, carbonaceous, and trace of COAL.
(90.0-95.0) SANDSTONE: fine.
(95.0-130.0) SHALE: light grey.
(130.0-135.0) SHALE: grey, and siltstone.
BLIND (loss water circ.) at 140'.
(135.0-145.0) SILTSTONE: grey, with few sandstone ledges.
(145.0-150.0) NO RETURN